

# The Netherlands

## Preliminary report on Foot and Mouth Disease outbreak no. 2001/04

**1. Location**

Village: Nijbroek  
Province: Gelderland

Municipality: Voorst  
RVV-region: East

**2. Type and size of farm**

No. of cattle: 1197  
No. of pigs: 0  
No. of sheep: 16  
No. of goats: 3  
No. of other animals: 0

**3. Suspicion**

3.1 Date of suspicion: 23-3-2001  
3.2 Visits of screening teams on: 23-3-2001  
3.3 No. of cases with symptoms: 4  
3.4 Symptoms:  
4 yearlings with blisters on tongue and feet.  
3.5 Deaths: 0

**4. Method of diagnosis**

4.1 Investigation centre : ID-Lelystad, Division WDT

4.2 Method of diagnosis:

- Detection of virus:
  - ☒ IDAS ELISA
  - ☐ virus isolation
  - ☐ RT-PCR
- Detection of antibodies:
  - ☐ ELISA
  - ☐ Virus neutralisation test

5. Date of confirmation: 24-3-2001

6. Date of depopulation: 24-3-2001

7. Date of preliminary disinfection: 24-3-2001

**8. Epidemiology**

8.1 Presumed infection date: 13-3-2001  
8.2 Links: 2001/03  
8.3 Type of contact: human

**The Netherlands**  
**Preliminary report on Foot and Mouth Disease**  
**outbreak no. 2001/05**

1. **Location**  
 Village: Oene  
 Province: Gelderland  
 Municipality: Epe  
 RVV-region: East
2. **Type and size of farm**  
 No. of cattle: 164  
 No. of pigs: 0  
 No. of sheep: 0  
 No. of goats: 0  
 No. of other animals: 0
3. **Suspicion**
  - 3.1 Date of suspicion: 24-3-2001
  - 3.2 Visits of screening teams on: 24-3-2001
  - 3.3 No. of cases with symptoms: 1
  - 3.4 Symptoms:  
 One yearling with excessive salivation, blisters on tongue, interdigital space and teats no fever.
  - 3.5 Deaths: 0
4. **Method of diagnosis:**
  - 4.1 Investigation centre : ID-Lelystad, Division WDT
  - 4.2 Method of diagnosis:
    - Detection of virus:
      - ☒ IDAS ELISA
      - ☐ virus isolation
      - ☐ RT-PCR
    - Detection of antibodies:
      - ☐ ELISA
      - ☐ Virus neutralisation test
5. **Date of confirmation:** 25-3-2001
6. **Date of depopulation:** 26-3-2001
7. **Date of preliminary disinfection:** 26-3-2001
8. **Epidemiology**
  - 8.1 Presumed infection date: ???
  - 8.2 Links: 2001/03
  - 8.3 Type of contact: Contiguous

**The Netherlands**  
**Preliminary report on Foot and Mouth Disease**  
**outbreak no. 2001/06**

- 1. Location**  
 Village: Terwolde      Municipality: Voorst  
 Province: Gelderland      RVV-Region: East
- 2. Type and size of farm**  
 No. of cattle: 0  
 No. of pigs: 0  
 No. of sheep: 0  
 No. of goats: 624  
 No. of other animals: 0
- 3. Suspicion**  
 3.1 Date of suspicion: 22-03-2001, revisit on 26-03  
 3.2 Visits of screening teams on:  
 3.3 No. of cases with symptoms: 22-03 1 goat, 26-3 30 goats  
 3.4 Symptoms: 22-3 High fever, ruptured small blisters on the lips. 26-03 fever, drop in milk production, anorexia, lameness and irritation with deposits in the mouth  
 3.5 Deaths: 0
- 4. Method of diagnosis**  
 4.1 Investigation centre : ID-Lelystad, Division WDT  
 4.2 Method of diagnosis:  
 • Detection of virus:  
   X IDAS ELISA      ☐ virus isolation      ☐ RT-PCR  
 • Detection of antibodies:  
   ☐ ELISA      ☐ Virus neutralisation test
- 5. Date of confirmation:** 27-03-2001
- 6. Date of depopulation:** 28-03-2001
- 7. Date of preliminary disinfection:** 28-03-2001
- 8. Epidemiology**  
 8.1 Presumed infection date: ?  
 8.2 Links: 2001/ 03  
 8.3 Type of contact: Transport

# The Netherlands

## Preliminary report on Foot and Mouth Disease outbreak no. 2001/07

1. **Location**  
 Village: Tongeren  
 Province: Gelderland  
 Municipality: Epe  
 RVV-Region: East
2. **Type and size of farm**  
 No. of cattle: 69  
 No. of pigs: 0  
 No. of sheep: 86  
 No. of goats: 0  
 No. of other animals: 0
3. **Suspicion**  
 3.1 Date of suspicion: 27-03-2001  
 3.2 Visits of screening teams on: 27-03-2001  
 3.3 No. of cases with symptoms: 1 cow  
 3.4 Symptoms: Fever, salivation, blisters on the tongue, feet and teats.  
 3.5 Deaths: 0
4. **Method of diagnosis**  
 4.1 Investigation centre : ID-Lelystad, Division WDT  
 4.2 Method of diagnosis:  
 • Detection of virus:  
   ☒ IDAS ELISA  
   ☐ virus isolation   ☐ RT-PCR  
 • Detection of antibodies:  
   ☐ ELISA  
   ☐ Virus neutralisation test
5. **Date of confirmation:** 27-03-2001
6. **Date of depopulation:** 28-03-2001
7. **Date of preliminary disinfection:** 28-03-2001
8. **Epidemiology**  
 8.1 Presumed infection date: ?  
 8.2 Links: 2001/03  
 8.3 Type of contact: Human

**The Netherlands**  
**Preliminary report on Foot and Mouth Disease**  
**outbreak no. 2001/08**

1. **Location**  
 Village: Kootwijkerbroek                      Municipality: Barneveld  
 Province: Gelderland                              RVV-Region: East
2. **Type and size of farm**  
 No. of cattle: 457 (veal calves)  
 No. of pigs: 0  
 No. of sheep: 3  
 No. of goats: 1  
 No. of other animals: 0
3. **Suspicion**  
 3.1 Date of suspicion: 20-03-2001  
 3.2 Visits of screening teams on: 20-03-2001  
 3.3 No. of cases with symptoms: 14 calves  
 3.4 Symptoms: Fever, excessive salivation, small blisters in the mouth  
 3.5 Deaths: 0
4. **Method of diagnosis**  
 4.1 Investigation centre : ID-Lelystad, Division WDT  
 4.2 Method of diagnosis:  
     • Detection of virus:  
       ☐ IDAS ELISA                      **X** virus isolation            **X** RT-PCR  
     • Detection of antibodies:  
       ☐ ELISA                                      ☐ Virus neutralisation test
5. **Date of confirmation:** 28-03-2001
6. **Date of depopulation:** 27-03-2001
7. **Date of preliminary disinfection:** 27-03-2001
8. **Epidemiology**  
 8.1 Presumed infection date: ?  
 8.2 Links: 2001/03  
 8.3 Type of contact: Human

**The Netherlands**  
**Preliminary report on Foot and Mouth Disease**  
**outbreak no. 2001/09**

1. **Location**  
 Village: Oosterwolde  
 Province: Gelderland  
 Municipality: Oldebroek  
 RVV-Region: East
2. **Type and size of farm**  
 No. of cattle: 327  
 No. of pigs: 0  
 No. of sheep: 36  
 No. of goats: 50  
 No. of other animals: 0
3. **Suspicion**  
 3.1 Date of suspicion: 18-03-2001  
 3.2 Visits of screening teams on: 21-03-2001  
 3.3 No. of cases with symptoms: 0  
 3.4 Symptoms:  
 3.5 Deaths: 0
4. **Method of diagnosis**  
 4.1 Investigation centre : ID-Lelystad, Division WDT  
 4.2 Method of diagnosis:  
 • Detection of virus:  
   ☐ IDAS ELISA  
   ☐ virus isolation   ☐ RT-PCR  
 • Detection of antibodies:  
   ☐ ELISA  
   ☒ Virus neutralisation test
5. **Date of confirmation:** 28-03-2001
6. **Date of depopulation:** 21-03-2001
7. **Date of preliminary disinfection:** 21-03-2001
8. **Epidemiology**  
 8.1 Presumed infection date: 13-03-2001  
 8.2 Links: 2001/03  
 8.3 Type of contact: animal

# The Netherlands

## Preliminary report on Foot and Mouth Disease outbreak no. 2001/10

1. **Location**  
 Village: Oosterwolde  
 Province: Gelderland  
 Municipality: Oldebroek  
 RVV-Region: East
2. **Type and size of farm**  
 No. of cattle: 113  
 No. of pigs: 0  
 No. of sheep: 0  
 No. of goats: 0  
 No. of other animals: 0
3. **Suspicion**  
 3.1 Date of suspicion: 28-03-2001  
 3.2 Visits of screening teams on: 28-03-2001  
 3.3 No. of cases with symptoms: 1 cow,  
 3.4 Symptoms: Salivation and a blister on the tongue  
 3.5 Deaths: 0
4. **Method of diagnosis**  
 4.1 Investigation centre : ID-Lelystad, Division WDT  
 4.2 Method of diagnosis:  
 • Detection of virus:  
   X IDAS ELISA  
   • Detection of antibodies:  
     ☐ ELISA  
     ☐ virus isolation   ☐ RT-PCR  
     ☐ Virus neutralisation test
5. **Date of confirmation:** 29-03-2001
6. **Date of depopulation:** 29-03-2001
7. **Date of preliminary disinfection:** 29-03-2001
8. **Epidemiology**  
 8.1 Presumed infection date: ?  
 8.2 Links: 2001/09  
 8.3 Type of contact: Contiguous

# The Netherlands

## Preliminary report on Foot and Mouth Disease outbreak no. 2001/011

1. **Location**  
 Village: Oene  
 Province: Gelderland  
 Municipality: Epe  
 RVV-Region: East
2. **Type and size of farm**  
 No. of cattle: 179  
 No. of pigs: 0  
 No. of sheep: 0  
 No. of goats: 43  
 No. of other animals: 0
3. **Suspicion**  
 3.1 Date of suspicion: 29-03-2001  
 3.2 Visits of screening teams on: 29-03-2001  
 3.3 No. of cases with symptoms: 10 cows  
 3.4 Symptoms: fever, salivation and blisters on the tongue, feet and teats  
 3.5 Deaths: 0
4. **Method of diagnosis**  
 4.1 Investigation centre : ID-Lelystad, Division WDT  
 4.2 Method of diagnosis:  
 • Detection of virus:  
   X IDAS ELISA  
   ☐ virus isolation   ☐ RT-PCR  
 • Detection of antibodies:  
   ☐ ELISA   ☐ Virus neutralisation test
5. **Date of confirmation:** 29-03-2001
6. **Date of depopulation:** 30-03-2001
7. **Date of preliminary disinfection:** 30-03-2001
8. **Epidemiology**  
 8.1 Presumed infection date: 17-03-2001  
 8.2 Links: 2001/05  
 8.3 Type of contact: Contiguous/ human

**The Netherlands**  
**Preliminary report on Foot and Mouth Disease**  
**outbreak no. 2001/12**

**1. Location**

Village: Vaassen  
 Province: Gelderland

Municipality: Epe  
 RVV-Region: Oost

**2. Type and size of farm**

No. of cattle: 78  
 No. of pigs: 0  
 No. of sheep: 19  
 No. of goats: 0  
 No. of other animals: 0

**3. Suspicion**

3.1 Date of suspicion: 31-3-2001  
 3.2 Visits of screening teams on: 31-3-2001  
 3.3 No. of cases with symptoms: 3 cows  
 3.4 Symptoms: Fever, smacking, salivation and blisters on the tongue  
 3.5 Deaths: 0

**4. Method of diagnosis**

4.1 Investigation centre : ID-Lelystad, Division WDT  
 4.2 Method of diagnosis:  
     • Detection of virus:  
       X IDAS ELISA                      ☐ virus isolation            ☐ RT-PCR  
     • Detection of antibodies:  
       ☐ ELISA                              ☐ Virus neutralisation test

5. Date of confirmation: 1-4-2001

6. Date of depopulation: 2-4-2001

7. Date of preliminary disinfection: 2-4-2001

**8. Epidemiology**

8.1 Presumed infection date: ?  
 8.2 Links: 2001/03  
 8.3 Type of contact: Contiguous

Village: Olst  
Province: Overijssel

Municipality: Olst  
RVV-Region: North

No. of cattle:	46
No. of pigs:	0
No. of sheep:	0
No. of goats:	18
No. of other animals:	0

3.1	Date of suspicion:	02-04-2001
3.2	Visits of screening teams on:	02-04-2001
3.3	No. of cases with symptoms:	4 cows
3.4	Symptoms:	Fever, salivation, blisters at feet
3.5	Deaths:	0

4.1	Investigation centre :	ID-Lelystad, Division WDT
4.2	Method of diagnosis:	
	<ul style="list-style-type: none"> <li>• Detection of virus:  <input checked="" type="checkbox"/> IDAS ELISA </li> <li>• Detection of antibodies:  <input type="checkbox"/> ELISA </li> </ul>	<input type="checkbox"/> virus isolation <input type="checkbox"/> RT-PCR <input type="checkbox"/> Virus neutralisation test

5. Date of confirmation: 03-04-2001

6. Date of depopulation: 03-04-2001

7. Date of preliminary disinfection: 03-04-2001

8.1	Presumed infection date:	?
8.2	Links:	2001/01
8.3	Type of contact:	contiguous

9.1. Date of vaccination: not vaccinated

**The Netherlands**  
**Preliminary report on Foot and Mouth Disease**  
**outbreak no. 2001/14**

1. **Location**  
 Village: Oene Municipality: Epe  
 Province: Gelderland RVV-Region: East
2. **Type and size of farm**  
 No. of cattle: 31  
 No. of pigs: 0  
 No. of sheep: 0  
 No. of goats: 0  
 No. of other animals: 0
3. **Suspicion**  
 3.1 Date of suspicion: 02-04-2001  
 3.2 Visits of screening teams on: 22-03-2001  
 3.3 No. of cases with symptoms: 1 cow  
 3.4 Symptoms: Blisters in the mouth  
 3.5 Deaths: 0
4. **Method of diagnosis**  
 4.1 Investigation centre : ID-Lelystad, Division WDT  
 4.2 Method of diagnosis:  
 • Detection of virus:  
   X IDAS ELISA      ☐ virus isolation      ☐ RT-PCR  
 • Detection of antibodies:  
   ☐ ELISA      ☐ Virus neutralisation test
5. **Date of confirmation:** 03-04-2001
6. **Date of depopulation:** 03-04-2001
7. **Date of preliminary disinfection:** 03-04-2001
8. **Epidemiology**  
 8.1 Presumed infection date: ?  
 8.2 Links: 2001/03, 2001/05, 2001/11 and 2001/15  
 8.3 Type of contact: contiguous (within 2,5 km of the source)
9. **Vaccination**  
 9.1 Date of vaccination: 27-03-2001

**The Netherlands**  
**Preliminary report on Foot and Mouth Disease**  
**outbreak no. 2001/15**

1. **Location**  
 Village: Oene  
 Province: Gelderland  
 Municipality: Epe  
 RVV-Region: East
2. **Type and size of farm**  
 No. of cattle: 54  
 No. of pigs: 0  
 No. of sheep: 0  
 No. of goats: 0  
 No. of other animals: 0
3. **Suspicion**
  - 3.1 Date of suspicion: 02-04-2001
  - 3.2 Visits of screening teams on: 22-03 (screening), 26-3 (bloodsamples), 28-3-2001 (tracing) and 02-04-2001
  - 3.3 No. of cases with symptoms: 1 dairy cow
  - 3.4 Symptoms: Blisters on the mouth, feet and teats.
  - 3.5 Deaths: 0
4. **Method of diagnosis**
  - 4.1 Investigation centre : ID-Lelystad, Division WDT
  - 4.2 Method of diagnosis:
    - Detection of virus:
      - ☒ IDAS ELISA
      - ☐ virus isolation
      - ☐ RT-PCR
    - Detection of antibodies:
      - ☐ ELISA
      - ☐ Virus neutralisation test
5. **Date of confirmation:** 03-04-2001
6. **Date of depopulation:** 03-04-2001
7. **Date of preliminary disinfection:** 03-04-2001
8. **Epidemiology**
  - 8.1 Presumed infection date: ?
  - 8.2 Links: 2001/03, 2001/05, 2001/11 and 2001/14
  - 8.3 Type of contact: Contiguous (within 2,5km of the source)
9. **Vaccination**
  - 9.1 Date of vaccination: 26-03-2001

# The Netherlands

## Preliminary report on Foot and Mouth Disease outbreak no. 2001/16

1. **Location**  
 Village: Wapenveld  
 Province: Gelderland  
 Municipality: Heerde  
 RVV-Region: East
2. **Type and size of farm**  
 No. of cattle: 23  
 No. of pigs: 0  
 No. of sheep: 0  
 No. of goats: 0  
 No. of other animals: 0
3. **Suspicion**  
 3.1 Date of suspicion: 06-04-2001  
 3.2 Visits of screening teams on: 06-04-2001  
 3.3 No. of cases with symptoms: 2 cows  
 3.4 Symptoms: Fever, salivation and inflammation on feet and mouth and blisters on the tongue.  
 3.5 Deaths: 0
4. **Method of diagnosis**  
 4.1 Investigation centre : ID-Lelystad, Division WDT  
 4.2 Method of diagnosis:  
 • Detection of virus:  
   ☒ IDAS ELISA  
   ☐ virus isolation   ☐ RT-PCR  
 • Detection of antibodies:  
   ☐ ELISA   ☐ Virus neutralisation test
5. **Date of confirmation:** 07-04-2001
6. **Date of depopulation:** 06-04-2001
7. **Date of preliminary disinfection:** 06-04-2001
8. **Epidemiology**  
 8.1 Presumed infection date: ???  
 8.2 Links: 2001/17  
 8.3 Type of contact: contiguous
9. **Vaccination**  
 9.1 Date of vaccination: 05-04-2001

# The Netherlands

## Preliminary report on Foot and Mouth Disease outbreak no. 2001/17

1. **Location**  
 Village: Heerde                      Municipality: Heerde  
 Province: Gelderland              RVV-Region: East
2. **Type and size of farm**  
 No. of cattle: 94  
 No. of pigs: 0  
 No. of sheep: 0  
 No. of goats: 0  
 No. of other animals: 0
3. **Suspicion**  
 3.1 Date of suspicion: 06-04-2001  
 3.2 Visits of screening teams on: 06-04-2001  
 3.3 No. of cases with symptoms: 4 cows  
 3.4 Symptoms: Fever and blisters on tongue, mouth and feet  
 3.5 Deaths: 0
4. **Method of diagnosis**  
 4.1 Investigation centre : ID-Lelystad, Division WDT  
 4.2 Method of diagnosis:  
     • Detection of virus:  
       X IDAS ELISA                      ☐ virus isolation      ☐ RT-PCR  
     • Detection of antibodies:  
       ☐ ELISA                              ☐ Virus neutralisation test
5. **Date of confirmation:** 07-04-2001
6. **Date of depopulation:** 07-04-2001
7. **Date of preliminary disinfection:** 07-04-2001
8. **Epidemiology**  
 8.1 Presumed infection date: ???  
 8.2 Links: 2001/15  
 8.3 Type of contact: human
9. **Vaccination**  
 9.1 Date of vaccination: 05-04-2001

# The Netherlands

## Preliminary report on Foot and Mouth Disease outbreak no. 2001/18

1. **Location**  
 Village: Heerde                      Municipality: Heerde  
 Province: Gelderland              RVV-Region: East
2. **Type and size of farm**  
 No. of cattle: 332  
 No. of pigs: 0  
 No. of sheep: 0  
 No. of goats: 0  
 No. of other animals: 0
3. **Suspicion**
  - 3.1 Date of suspicion: 07-04-2001
  - 3.2 Visits of screening teams on: 26-03-2001 (screening), 05-04-2001  
 (vaccination) and 07-04-2001
  - 3.3 No. of cases with symptoms: 1 cow on 07-04-2001
  - 3.4 Symptoms: Fever, salivation, smacking and blisters on the tongue.
  - 3.5 Deaths: 0
4. **Method of diagnosis**
  - 4.1 Investigation centre : ID-Lelystad, Division WDT
  - 4.2 Method of diagnosis:
    - Detection of virus:
      - ☒ IDAS ELISA                      ☐ virus isolation                      ☐ RT-PCR
    - Detection of antibodies:
      - ☐ ELISA                      ☐ Virus neutralisation test
5. **Date of confirmation:** 07-04-2001
6. **Date of depopulation:** 08-04-2001
7. **Date of preliminary disinfection:** 08-04-2001
8. **Epidemiology**
  - 8.1 Date of presumed infection: 20-03-2001 – 26-03-2001
  - 8.2 Links: 2001/17
  - 8.3 Type of contact: Contiguous
9. **Vaccination**
  - 9.1 Date of vaccination: not vaccinated

# The Netherlands

## Preliminary report on Foot and Mouth Disease outbreak no. 2001/19

1. **Location**  
 Village: Heerde  
 Province: Gelderland  
 Municipality: Heerde  
 RVV-Region: East
2. **Type and size of farm**  
 No. of cattle: 47  
 No. of pigs: 0  
 No. of sheep: 1  
 No. of goats: 0  
 No. of other animals: 0
3. **Suspicion**  
 3.1 Date of suspicion: 08-04-2001  
 3.2 Visits of screening teams on: 24-03 (screening), 06-04 (vaccination)  
 and 08-04-2001  
 3.3 No. of cases with symptoms: 11 dairy cows  
 3.4 Symptoms: blisters on tongue and feet  
 3.5 Deaths: 0
4. **Method of diagnosis**  
 4.1 Investigation centre : ID-Lelystad, Division WDT  
 4.2 Method of diagnosis:  
 • Detection of virus:  
   X IDAS ELISA  
   ☐ virus isolation   ☐ RT-PCR  
 • Detection of antibodies:  
   ☐ ELISA  
   ☐ Virus neutralisation test
5. **Date of confirmation:** 09-04-2001
6. **Date of depopulation:** 08-04-2001
7. **Date of preliminary disinfection:** 08-04-2001
8. **Epidemiology**  
 8.1 Date of presumed infection: 22-03-2001 – 27-03-2001  
 8.2 Links: 2001/17  
 8.3 Type of contact: Contiguous
9. **Vaccination**  
 9.1 Date of vaccination: 06-04-2001

**The Netherlands**  
**Preliminary report on Foot and Mouth Disease**  
**outbreak no. 2001/20**

- 1. Location**  
 Village: Wapenveld Municipality: Heerde  
 Province: Gelderland RVV-Region: East
- 2. Type and size of farm**  
 No. of cattle: 11  
 No. of pigs: 22  
 No. of sheep: 0  
 No. of goats: 0  
 No. of other animals: 0
- 3. Suspicion**  
 3.1 Date of suspicion: 07-04-2001  
 3.2 Visits of screening teams on: 08-04-2001  
 3.3 No. of cases with symptoms: 1 cow  
 3.4 Symptoms: Fever, salivation, blisters on tongue, feet and teats.  
 3.5 Deaths: 0
- 4. Method of diagnosis**  
 4.1 Investigation centre : ID-Lelystad, Division WDT  
 4.2 Method of diagnosis:  
 • Detection of virus:  
   X IDAS ELISA      ☐ virus isolation      ☐ RT-PCR  
 • Detection of antibodies:  
   ☐ ELISA      ☐ Virus neutralisation test
- 5. Date of confirmation:** 09-04-2001
- 6. Date of depopulation:** 09-04-2001
- 7. Date of preliminary disinfection:** 09-04-2001
- 8. Epidemiology**  
 8.1 Date of presumed infection: ???  
 8.2 Links: 2001/17  
 8.3 Type of contact: Contiguous
- 9. Vaccination**  
 9.1 Date of vaccination: not vaccinated

## Suspected cases in Noord-Brabant

Recently, there have been 3 suspected cases of FMD in Noord-Brabant , the Netherlands; Sprang Capelle, Maren Kessel en Berghem.

### Sprang Capelle

Reason:	Submission by practitioner , because of contacts with Oene (first case)
Clinical findings	
Possible origin-contacts	Mayenne contact;
Lab samples;	IDAs Elisa negative Virus isolation negative, both on pig kidney cells as on lamb-Kidney cells Serology: other animals in herd VNT negative
First measures	Immediate slaughter of farm, combined with 1 km zone slaughter.
Conclusion	FMD negative

## Maren Kessel

Reason:	Contact with Oene (2001/03); slaughterhouse; goats have been housed for 3 days in Maren Kessel before emergency slaughter because of Oene contact.
Clinical findings	No clinical findings
Possible origin-contacts	Two caretakers had animals at home; all were sampled and found negative
Lab samples;	Virus isolation negative 3 goats sero-positive in VNT, but originally from Oene cattle sero-negative
First measures	Preventive culling of all animals
Screening 3 km area	
Conclusion	FMD negative

Berghem

Reason:	Submission by practitioner and RVV
Clinical findings	Small blisters in the mouth of some veal calves
Possible origin-contacts	none
Lab samples;	Antigen IDAS ELISA negative Virus isolation negative Serology negative
First measures	Culling of all animals
Conclusion	No FMD infection

**A chronological survey of national rules and regulations containing preventive measures in connection with the outbreak of foot and mouth disease.**

Date	Measure
21-2-01	Reports of foot and mouth disease in the UK. Preventive measures introduced in the Netherlands to prevent spread in the Netherlands. All biungulates (pigs and ruminants) from the United Kingdom tested for foot and mouth disease.
21-2-01	Temporary ban on sheep markets, sales and auctions in the Netherlands: CANCELLED on 26-2-01 and replaced by collection ban biungulates of 26-2-01.
22-2-01	Compulsory testing extended to biungulates from Northern Ireland.
22-2-01 18.00	Prohibition to collect biungulates other than sheep in a place, other than a livestock farm or slaughterhouse. CANCELLED on 7-4-01 and replaced by temporary collection ban.
23-2-01	Obligatory testing for all 'contact firms': firms which received pigs irrespective of their origin, from firms having or having had biungulates originating from the United Kingdom, and which were taken to the Netherlands as from January 24, 2001.
26-2-01	Collection and market ban extended to March 5, 2001 and made applicable to all biungulates (including sheep). Sheep collection ban lifted. Vehicles are also 'places' in the sense of a collection ban.
26-2-01	Ban on the transportation of sheep and goats within and from the Netherlands: CANCELLED on 20-3-01; replaced by temporary transport ban biungulates FMD 2001 of 20-3-01.
28-2-01	The transport on the public highway not using vehicles is banned as well, nor is it allowed to drive sheep and goats down public highways. Two exemptions are formulated due to the lambing season.
1-3-01	Collection ban extended to March 12, 2001.
1-3-01	All vehicles that have carried one or more biungulates and that have not already been cleaned and disinfected must now be cleaned and disinfected together with any accompanying items immediately after unloading, so that empty vehicles can only be on the road in a clean condition. A ban on the unloading and reception of biungulates unless equipment for the cleaning and disinfection of vehicles is present in the place of unloading. This equipment must supply water under sufficient pressure for adequate and efficient cleaning and disinfection.
2-3-01	Temporary ban on the finding and collection of plovers' eggs, because these activities usually take place on farmland.
7-3-01	The identification and registration (I&R) notification term for movements to and from establishments is reduced from three days to one day.
7-3-01	A temporary ban on all markets, sales, auctions, shows and other events where poultry and livestock other than biungulates, from different places are collected in one place. Applications for exemptions are possible.

Date	Measure
8-3-01	Ban on the transportation to the Netherlands of biungulates, from France or Italy, whether or not these are countries of origin. A ban on the transportation of horses from the UK to the Netherlands, whether or not the UK is the country of origin and from the Netherlands to other countries.
9-3-01	The ban on the transportation of goats is lifted. There is now only a ban on the transportation of sheep.
9-3-01	Collection ban extended to March 26, 2001.
13-3-01-	All transportation of biungulates banned due to foot and mouth disease in France: CANCELLED on 20-3-01 and replaced by temporary transport ban biungulates of 20-3-01.
13-3-01	Pending the results of tests it is prohibited to remove biungulates from firms which have brought in biungulates from France as from February 13, 2001. This also applies to other biungulates present in the firm and for the meat, embryos, sperm and egg cells of biungulates.
14-3-01	The above date of February 13, 2001, is changed to January 24, 2001. This extends the number of firms blocked.
15-3-01	A ban on the removal of manure from firms that have brought in biungulates from France since January 24, 2001.
15-3-01 13.00	Vehicles carrying manure must be cleaned and disinfected before leaving a firm. CANCELLED on 30-3-01 and replaced by temporary national transport restrictions II.
18-3-01	The collection of horses from firms where biungulates stay or stayed in the past seven days or horses that were in contact with biungulates, is prohibited.
18-3-01	Partial lifting of the ban on the transportation of biungulates. The direct transport of biungulates in or outside the Netherlands is permitted. The Member State of destination needs to give prior permission for the transportation of biungulates.
19-03-01	The transportation ban for biungulates will be temporarily maintained in a 3-kilometre radius from a farm in Oene (province of Gelderland), where there were animals in which foot and mouth could not be fully excluded. The local transportation ban will remain in force, pending tests to exclude foot and mouth: cancelled on 21-3-01, replaced by surveillance zone regulation Oene, Olst and Oosterwolde on 21-3-01.
19-03-01	The present regulations oblige firms bringing in biungulates to keep them for a minimum of <u>thirty days</u> before they are removed. The aim of this obligation is to prevent firms from being used as actual places of collection.
19-03-01	EU measures have been implemented automatically in the national rules and regulations (article 2:13) Regulation on the examination of and trade in animal products; article 7b of the Regulation on the importation and transit of meat 1979; article 6b Regulation on the importation and transit of meat products 1985.
20-03-01 14.00	Temporary transport ban livestock Maren-Kessel and Herpen. CANCELLED on 21-3-01 and replaced by surveillance zone Maren-Kessel and Herpen on 21-3-01.

**A chronological survey of national rules and regulations containing preventive measures in connection with the outbreak of foot and mouth disease in the Netherlands from 21 March 2001.**

Date	Measure
21-3-01 11.00	Temporary transport restrictions FMD 2001 in the whole of the Netherlands for livestock, poultry, vehicles, semen, ova and biungulate embryos. CANCELLED on 24-3-01 and replaced by temporary regulation on national transport restrictions FMD of 24-3-01.
21-3-01 11.00	Surveillance zone Maren-Kessel and Herpen. CANCELLED on 24-3-01 and replaced by transport restrictions Maren-Kessel and Herpen of 24-3-01.
21-3-01 11.00	Surveillance zone Oene, Olst and Oosterwolde. CANCELLED on 25-3-01 and replaced by surveillance zone Oene, Olst, Welsum, Nijbroek, Doornspijk, Nunspeet and Oosterwolde of 25-3-01
21-3-01	Regulation on the use of students in fighting foot and mouth disease 2001.
21-3-01 19.15	Regulation on emergency vaccination foot and mouth disease 2001.
21-3-01 19.15	Regulation on exportation ban of livestock and certain animal products foot and mouth disease 2001.
21-3-01	Decision 2001/223/EC: protective measures with regard to foot-and-mouth disease in the Netherlands.
22-3-01 12.15	Transport ban Beesd. CANCELLED on 24-3-01 and replaced by transport restrictions Beesd of 24-3-01.
22-3-01 12.15	Transport ban Sprang-Capelle. CANCELLED on 24-3-01 and replaced by transport restrictions Sprang-Capelle of 24-3-01.
22-3-01 17.30	Regulation on the temporary close of hunting and shooting and ban on the use of licences and decisions under the Birds Act 1936 and the Hunting and Shooting Act.
24-3-01 12.30	Temporary regulation on national transport restrictions foot and mouth disease 2001: relaxation of the transport ban in force earlier. See national transport restrictions for a survey of the provisions. CANCELLED on 30-3-01.
24-3-01 12.30	Regulation on transport restrictions in Beesd, foot and mouth disease 2001. CANCELLED on 29-3-01.
24-3-01 12.30	Regulation on transport restrictions in Maren-Kessel and Herpen foot and mouth disease 2001. CANCELLED on 30-3-01 and replaced by transport restrictions Maren-Kessel and Berghem.
24-3-01 12.30	Regulation on transport restrictions in Sprang-Capelle foot and mouth disease 2001. CANCELLED on 30-3-01 and replaced by transport restrictions Sprang-Capelle of 30-3-01.
24-3-01 22.45	Regulation on surveillance area Oene, Olst, Welsum, Nijbroek, Doornspijk, Nunspeet and Oosterwolde.
24-03-01 22.45	Regulation on transport restrictions in Overberg foot and mouth disease 2001.
25-03-01 08.00	Transport restrictions Overberg. CANCELLED on 27-3-01.
25-3-01 08.00	Surveillance zone Oene, Olst, Welsum, Nijbroek, Doornspijk, Nunspeet and Oosterwolde. CANCELLED on 30-3-01 and replaced by surveillance zone Oene, Olst, Welsum, Nijbroek, Oosterwolde II.

Date	Measure
27-3-01	Decision 2001/246/EC: suppressive vaccination in the control and eradication of foot-and-mouth disease in application of article 13 (3) of directive 85/511/EEC.
29-3-01	Surveillance zone Kootwijkerbroek. CANCELLED on 30-3-01 and replaced by surveillance zone Kootwijkerbroek II of 30-3-01.
30-3-01 20.30	Temporary national transport restrictions II.
30-3-01 20.30	Surveillance zone Oene, Olst, Welsum, Nijbroek and Oosterwolde II.
30-3-01 20.30	Transport restrictions Maren-Kessel and Berghem. CANCELLED on 5-4-01.
30-3-01 20.30	Transport restrictions Sprang-Capelle. CANCELLED on 5-4-01.
30-3-01 20.30	Surveillance zone Kootwijkerbroek II.
3-4-01	Appointment supervisory officials.
7-4-01 00.00	Compartmentalisation of the Netherlands (division into areas).
7-4-01 00.00	Temporary collection ban .

10.0

hinkt, alle dasgamm ploed  
geingfren

1 new case => in the area with  
other outbreaks

# Diagram of violations during the month March 2001

Date	Violations		species	Other	
	Warning	Off. Report		Warning	Off. Report
Total	7	162		43	116
01-03-01	0	4	sheep	0	0
02-03-01	0	3	sheep	0	2
03-03-01	0	0		0	1
04-03-01	0	1	sheep	0	1
05-03-01	0	0		1	5
06-03-01	0	0		2	2
07-03-01	0	0		0	3
08-03-01	0	0		1	3
09-03-01	0	1	sheep	0	3
10-03-01	0	0		2	3
11-03-01	0	0		0	0
12-03-01	0	0		3	0
13-03-01	1	2	cattle	3	4
14-03-01	0	1	horses	0	2
15-03-01	0	1	sheep	2	2
16-03-01	0	0		1	3
17-03-01	0	4	cattle/sheep	0	1
18-03-01	0	1	cattle	0	1
19-03-01	0	0		0	1
20-03-01	0	10	cattle/horses/transport	3	5
21-03-01	3	28	sheep/cattle	1	8
22-03-01	1	39	sheep/transport	1	1
23-03-01	0	28	cattle/sheep/horses/transport	0	1
24-03-01	0	13	cattle/sheep/horses/transport	0	5
25-03-01	0	3	transport	2	4
26-03-01	0	7	transport	2	3
27-03-01	0	5	transport	4	7
28-03-01	0	7	cattle/goats	1	14
29-03-01	0	1	cattle	3	10
30-03-01	0	3	sheep	8	13
31-03-01	2	0	sheep/turkeys	3	8

## DESCRIPTION VACCINATION AREA NOORD VELUWE

1. Vanaf de Spoorlijn (Hattemerbroek) volgend in noordoostelijke richting tot rivier de IJssel (Zwolle).
2. Rivier de IJssel (Zwolle) volgend in zuidelijke richting tot Spoorbrug over de IJssel (Deventer).
3. Spoorbrug over de IJssel de spoorlijn volgend in zuidwestelijke richting tot Laan van Osselveld (Apeldoorn).
4. Laan van Osseveld (Apeldoorn) N344 volgend in noordwestelijke richting overgaand in Laan Van Zevenhuizen N344 tot de Anklaarseweg.
5. De Anklaarseweg volgend in oostelijke richting overgaand in noordelijke richting tot Fausstraat.
6. Fauststraat volgend in westelijke richting tot Laan v. Zevenhuizen N344.
7. Laan v. Zevenhuizen N344 volgend in noordelijke richting tot Kanaal Noord.
8. Kanaal Noord volgend in oostelijke richting tot Anklaarseweg.
9. Anklaarseweg volgend in noordelijke richting tot Zwolseweg.
10. Zwolseweg volgend in noordwestelijke richting tot Elburgerweg.
11. Elburgerweg volgend in noordwestelijke richting tot Oranjeweg.
12. Oranjeweg volgend in noordelijke richting tot de Gortelseweg.
13. Gortelseweg volgend in noordelijke richting tot de Eperweg N795.
14. Vanaf de N795 de Overste Wanninkhofweg volgend in noordoostelijke richting tot de Eperweg de N309.
15. Eperweg de N309 volgend in zuidelijke richting tot de Zuidweg.
16. Zuidweg volgend in noordoostelijke richting overgaand in de Nieuwe Zuidweg tot Kamperweg.
17. Kamperweg volgend in noordelijke richting overgaand in de Stationsweg tot de Spoorlijn (Hattemerbroek).

## DESCRIPTION SURVEILLANCE ZONE AROUND THE VACCINATION AREA NOORD VELUWE

1. Vanaf de Veerweg (Zwartesluis) de N331 volgend in oostelijke richting overgaand in zuidelijke richting tot de N377 Vaartweg (Hasselt)
2. De N377 volgend in zuidoostelijke richting tot Rijksstraatweg.
3. De Rijksstraatweg volgend in zuidelijke richting tot de Nieuwendijk (Lichtmis).
4. De Nieuwendijk volgend in zuidelijke richting tot de Westeinde.
5. De Westeinde volgend in noordoostelijke richting tot Ankummerdijk.
6. De Ankummerdijk volgend in zuidoostelijke richting tot de N340.
7. De N340 volgend in oostelijke richting tot de Koesteeg.
8. De Koesteeg volgend in zuidelijke richting overgaand in de Rondweg overgaand in Vechtdijk tot de Rechterensedijk.
9. De Rechterensedijk volgend in oostelijke richting tot de Dalmsholterweg.
10. De Dalmsholterweg volgend in zuidelijke richting tot het Overijsselskanaal.
11. Het Overijsselskanaal volgend in oostelijke richting tot de Maanweg.
12. De Maanweg volgend in zuidelijke richting overgaand in de Lemelerweg overgaand in de Harmelinkstraat tot de Butzelaarstraat.
13. De Butzelaarstraat volgend in zuidoostelijke richting tot de Blikweg.
14. De Blikweg volgend in zuidelijke richting overgaand in de Stationsweg tot de Poggenbeltweg (Haarle).
15. De Poggenbeltweg volgend in zuidwestelijke richting tot de N332 Holterweg (Nieuw-Heeten).
16. De N332 volgend in zuidoostelijke richting tot de N339 (Laren).
17. De N339 volgend in noordwestelijke richting tot de Zutphenseweg.
18. De Zutphenseweg volgend in zuidwestelijke richting tot de Scheggertdijk.
19. De Scheggertdijk volgend in westelijke richting tot de Kapelweg.
20. De Kapelweg volgend in zuidelijke richting tot de Almenseweg.
21. De Almenseweg volgend in westelijke richting tot de Kapperallee.
22. De Kapperallee volgend in zuidelijke richting tot de Rijksstraatweg.
23. De Rijksstraatweg volgend in westelijke richting overgaand in de Kleine Omlegging overgaand in de Berkelsingel overgaand in de Rijkshage overgaand in de Molengracht tot het Stationsplein.
24. Het Stationsplein volgend in westelijke richting overgaand in de Oude IJsselbrug tot de N345.
25. De N345 volgend in zuidelijke richting tot de Oude Kanonsdijk.
26. De Oude Kanonsdijk volgend in zuidwestelijke richting tot de Baankstraat.
27. De Baankstraat volgend in zuidwestelijke richting tot de Windheuvelstraat.
28. De Windheuvelstraat volgend in westelijke richting overgaand in de Voorsterweg.
29. De Voorsterweg volgend in zuidelijke richting tot de Vosstraat.
30. De Vosstraat volgend in westelijke richting overgaand in de Dorpsstraat (Hall) tot de Zwarteweg.
31. De Zwarteweg volgend in westelijke richting tot de Domineeskamp.

## DESCRIPTION SURVEILLANCE ZONE AROUND THE VACCINATION AREA NOORD VELUWE

32. De Domineeskamp volgend in zuidelijke richting tot de Hallseweg.
33. De Hallseweg volgend in westelijke richting tot de Apeldoornseweg.
34. De Apeldoornseweg volgend in de noordelijke richting tot de Hoofdweg.
35. De Hoofdweg volgend in zuidwestelijke richting tot de Beekbergerweg (Loenen).
36. De Beekbergerweg volgend in zuidelijke richting overgaand in westelijke richting in de Groenendaalseweg tot de Oude Arnhemseweg.
37. De Oude Arnhemseweg volgend in noordelijke richting tot de Woeste Hofweg.
38. De Woeste Hofweg volgend in westelijke richting tot de Krimweg.
39. De Krimweg volgend in westelijke richting tot de Apeldoornseweg.
40. De Apeldoornseweg volgend in noordelijke richting tot de Harskampweg.
41. De Harskampweg volgend in noordelijke richting tot de N304.
42. De N304 volgend in westelijke richting tot de N310.
43. De N310 volgend in noordelijke tot de N302 Flevoweg (De Beek)
44. N302 Flevoweg volgend in noordwestelijke richting overgaand in N302 Leuvenumseweg tot N302 Ceintuurbaan (Harderwijk).
45. De Centuurbaan (Harderwijk).N302 volgend in noordoostelijke richting tot de Futenweg N302 overgaand in N305 tot N710 Swifterweg.
46. N710 Swifterweg volgend in noordwestelijke richting overgaand in Biddingweg tot N307.
47. N307 volgend in noordelijke richting Kamperhoekweg tot snelweg A6.
48. Snelweg A6 volgend tot Ketelbrug.
49. Vanaf de Ketelbrug het Ketelmeer volgen in noordoostelijke richting overgaand in Zwarte Meer tot Veerweg (Zwartsluis).

# DESCRIPTION SURVEILLANCE AREA KOOTWIJKERBROEK OUTBREAK 2001/08

1. Vanaf kruising Ceintuurbaan met N302 de N302 volgend in zuidoostelijke richting tot de N344.
2. De N334 volgend in oostelijke richting tot Jachtlaan (APELDOORN).
3. De Jachtlaan volgend in zuidelijke richting overgaand in Laan Van Spitsbergen.
4. Laan Van Spitsbergen overgaand in zuidoostelijke richting in de Laan Van Westenenk.
5. Laan Van Westenenk volgend in zuidoostelijke richting tot de Arnhemseweg.
6. De Arnhemseweg volgend in zuidelijke richting tot de A50 afslag 22 (Hoenderloo).
7. Vanaf de A50 afslag 22 de A50 volgend in zuidelijke richting tot A12.
8. A12 volgend in westelijke richting tot afslag 22 (Maarsbergen).
9. Vanaf afslag 22 de N226 volgend in Noordelijke richting tot A28 afslag 6 (Leusden-zuid).
10. Vanaf afslag 6 de A28 volgend in noordoostelijke richting tot afslag 12 (Ermelo).
11. Vanaf afslag 12 de Ceintuurbaan volgend in noordoostelijke richting tot de kruising Ceintuurbaan met N302.

Map 5 Foot and Mouth Disease The Netherlands

 proposed annex 1 by The Netherlands

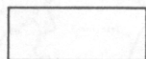


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voor ontwikkeling en beheer

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Map 4 Foot and Mouth Disease The Netherlands



Current annex 1



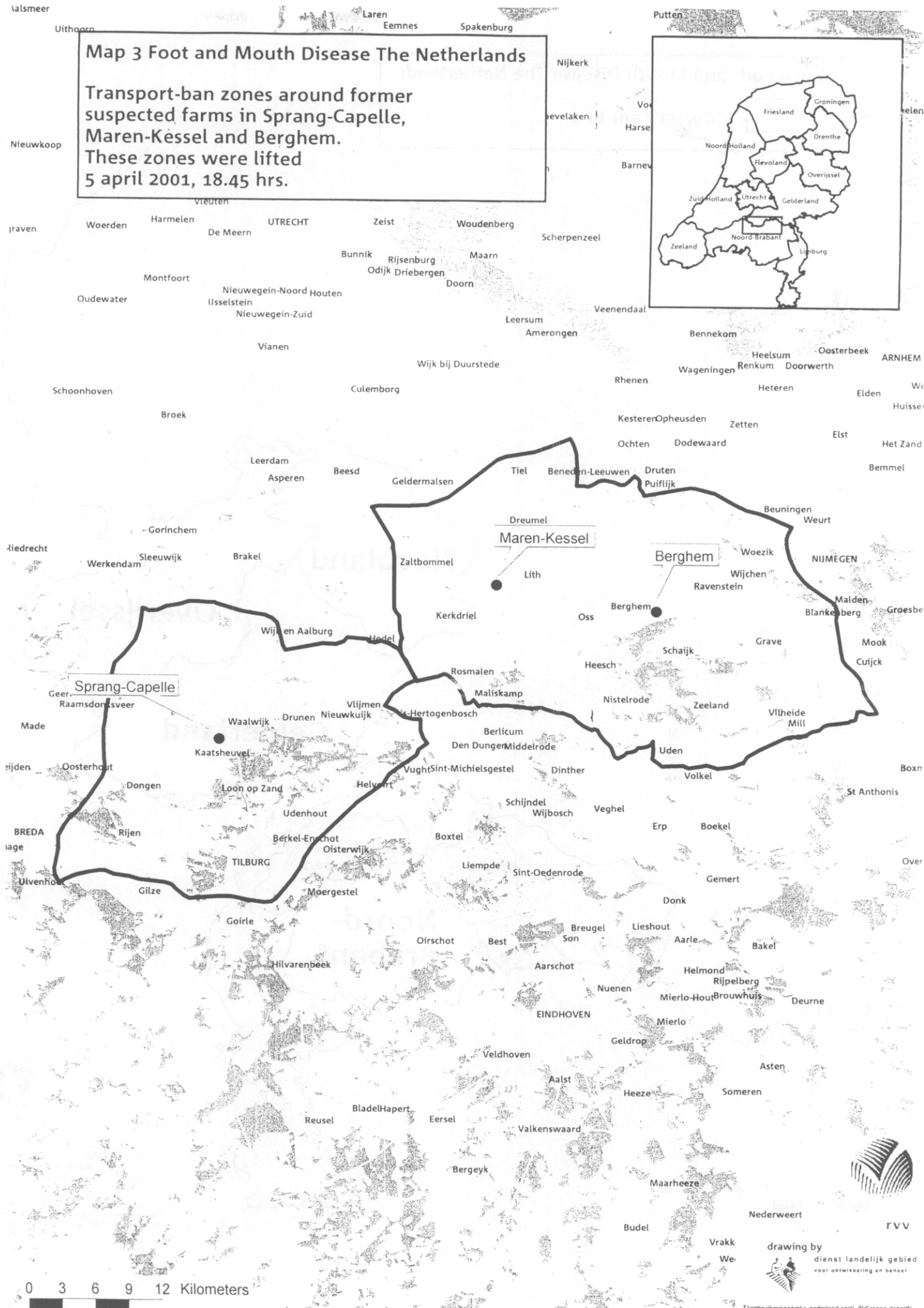
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# Map 3 Foot and Mouth Disease The Netherlands

Transport-ban zones around former suspected farms in Sprang-Capelle, Maren-Kessel and Berghem. These zones were lifted 5 april 2001, 18.45 hrs.



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dienst landelijk gebied  
voor ontwikkeling en beheer

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Topografische ondergrond © Top. Dienst. Emmen

Map 1 Foot and Mouth Disease The Netherlands,  
position as at 9-4-2001, 12.00hrs.

★ confirmed premises



0 10 20 30 40 Kilometers

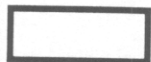
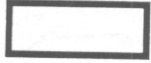



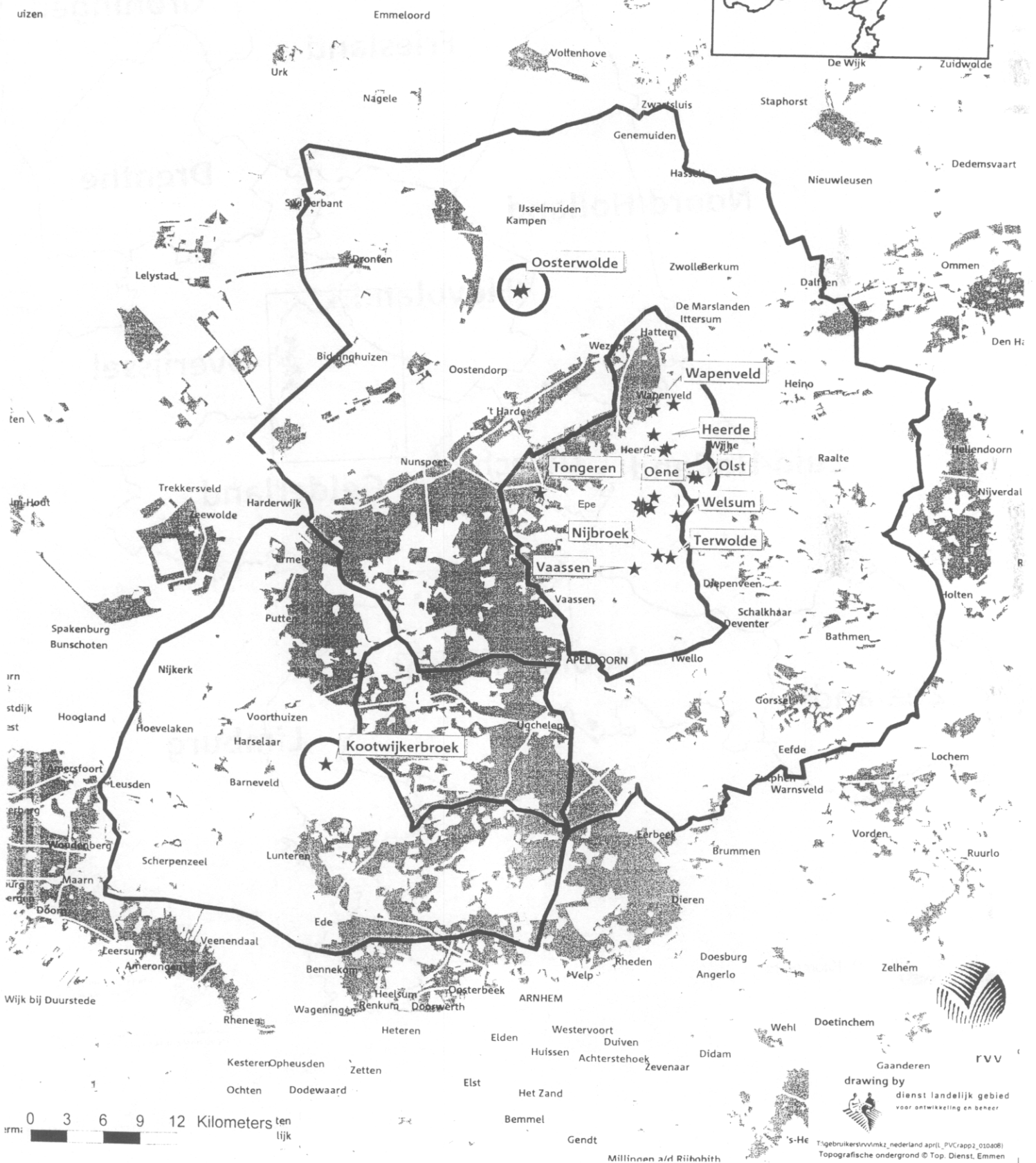
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Topografische ondergrond © Top. Dienst, Emmen

Map 2 Foot and Mouth Disease The Netherlands,  
position as at 9-4-2001, 12.00hrs.

-  10 or 12km area  
 vaccination area  
 confirmed premises



# THE NETHERLANDS FOOT AND MOUTH DISEASE

2001

Situation 2 April 2001 - 17.00 hrs



## **FOOT AND MOUTH DISEASE / THE NETHERLANDS / 2001**

### **Position as at 2 April 2001 17:00 hours**

With reference to the first FMD report of 26 March 2001, we are now giving you the information on the past week.

Several new outbreaks occurred during the past week. All of them, except one, occurred in the transport-ban zone around Oene-Olst-Welsum-Nijbroek.

Exportation of certain products is allowed again under strict conditions, laid down in Decision 2001/223/EC. Commodity boards have to prepare new protocols, based on the above mentioned Decision. These protocols set out all measures (the requested separation of the flow of raw materials or treatment) necessary to comply with Decision 2001/223/EC. The first exports took place from 29 March 2001. Currently, there are approved protocols for dairy products, meat and meat products, petfood, dairy products for non-human consumption. Protocols for casings and hides are being prepared.

#### **Corrections**

Some corrections on the report of 26 March 2001: only four goats were found seropositive at the slaughterhouse in Maren-Kessel after titration of the samples instead of the five we referred to. The number of animals involved in outbreak 2001/04 was not complete, a number of three goats should be added.

#### **Current outbreaks**

Currently there are twelve outbreaks. The new outbreaks (outbreak 2001/06 until 2001/12) are reported in the annex together with the earlier ones. The earlier reports have been updated where possible.

#### **Restriction zones currently in force**

Currently, there are four transport-ban zones in the Netherlands:

- Oene, Olst, Welsum, Nijbroek and Oosterwolde; there is a transport-ban in this large area. All outbreaks are within this area, except 2001/08 in Kootwijkerbroek.
- Kootwijkerbroek; there is a transport-ban zone with a radius of at least twelve kilometres around outbreak 2001/08 in Kootwijkerbroek. This zone was established on 29 March 2001.
- Sprang-Capelle; a transport-ban zone with a radius of at least 10 kilometres around a suspected farm (a Mayenne-contact-farm) in Sprang-Capelle. This zone was established on 22 March 2001.
- Maren-Kessel-Herpen; a transport-ban zone with a radius of at least 10 kilometres around suspected farms in Maren-Kessel (a slaughterhouse in contact with NL FMD 2001/03) and Berghem. This zone was established on 20 March 2001.

In addition to these four transport-ban zones, there are 14 zones (12 protection zones around the confirmed farms and 2 three-kilometre zones around suspected farms) where clinical inspections have been or will be carried out.

#### **Tracing**

Still there is no reason to change our views on the origin of the outbreak of FMD in the Netherlands. The introduction of the virus through the importation of Irish fattening calves by the French staging point at Mayenne is still most likely.

On 15 March 2001, clinical symptoms of FMD were reported in goats in a herd in Oene. Samples were sent to ID-Lelystad for confirmation. Four calves imported from Ireland on 24 January 2001 were found serologically positive. The herd was culled on 17 March 2001.

Fattening calves from Ireland transported via France to the Netherlands on 23 February 2001 were housed for 12 hours at the staging point at Mayenne. Between 5 February 2001 and 19 February

2001, seven shipments of sheep from UK FMD case 01/11 were taken to that particular staging point. The sheep were found to be seropositive. A contact herd within 500 m of the staging point became FMD case 01/01 in France on 13 February 2001. This implies that the calves from Ireland might have been infected on 23 February 2001 before they were sent to the Netherlands.

The calves were sent to farms in Oene, Sprang-Capelle and Beesd. Four calves of the Oene herd (outbreak 2001/03) were seropositive, and eight calves in Sprang-Capelle showed clinical symptoms of FMD. All samples taken from susceptible animals at the farm in Beesd were negative. The restrictions on the farm in Beesd were lifted.

#### **Screening**

All farms within the protection zone will be inspected clinically, in accordance with EU directive 85/511/EEG.

#### **Culling**

All susceptible animals on confirmed infected and highly suspected farms have been culled. Pre-emptive culling took place at all farms within a one-kilometre radius of the confirmed cases 2001/01, 2001/02 and 2001/03. Similar measures were taken in Sprang-Capelle and Berghem. All animals on vaccinated farms will also be culled later on.

#### **Vaccination**

Emergency vaccination, in compliance with Decision 2001/246/EC, is being carried out around the confirmed infected farms 2001/04 to 2001/12. All susceptible animals on the farms within a radius of two kilometres from the outbreaks have been or will be vaccinated. All vaccinated animals are marked by mutilation. All vaccinated animals will be culled pre-emptively later on.

#### **Facts and figures**

Until Saturday, in total 134 farms are vaccinated, on these farms are 8.583 cattle, 5.682 pigs, 966 sheep and 482 goats vaccinated. These vaccinations were taken place around 2001/04, 2001/05, 2001/06, 2001/07, 2001/09 and 2001/08.

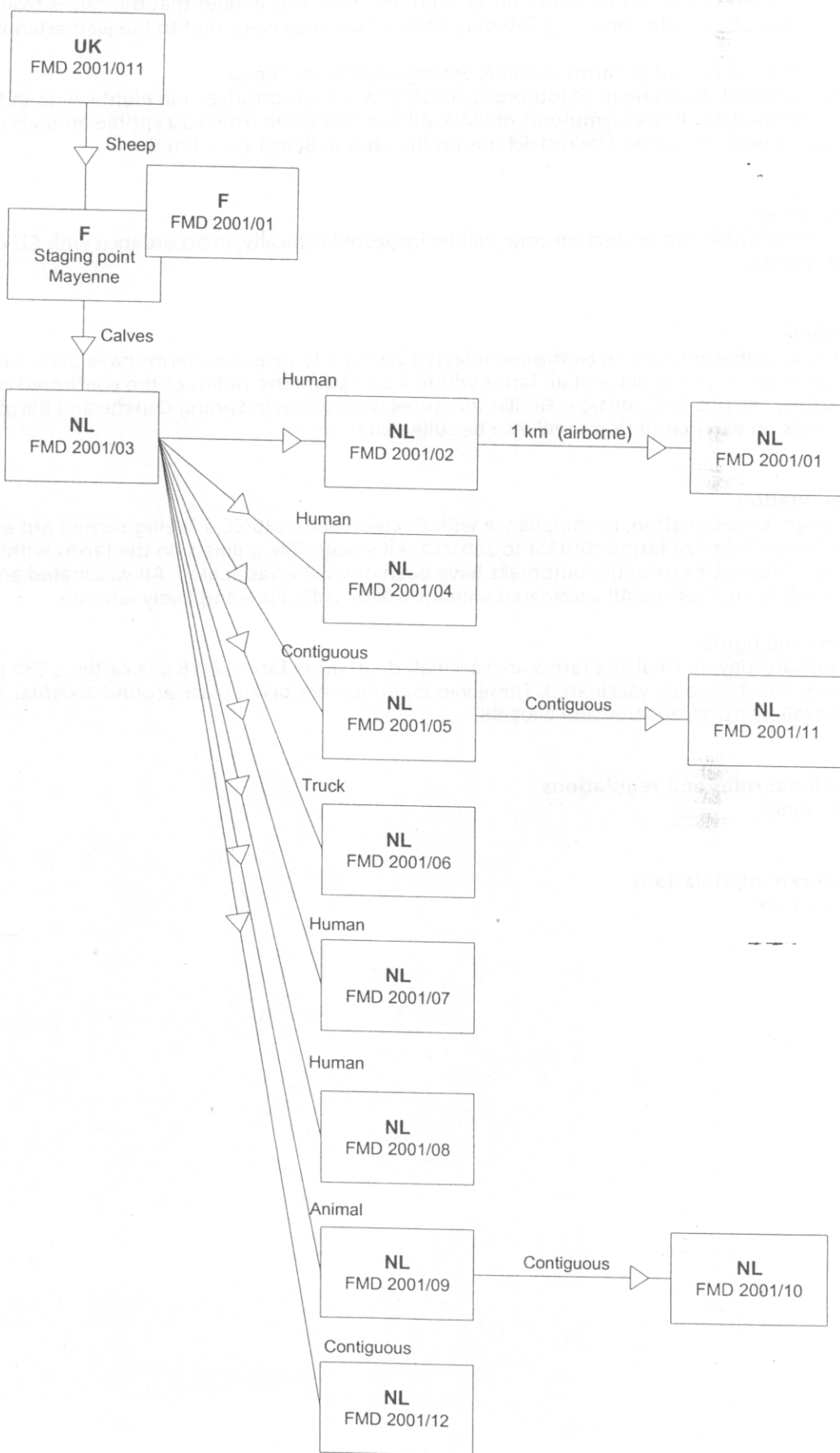
#### **National rules and regulations**

See annex

#### **Diagram of violations**

See annex

# Links between confirmed FMD premises



**A chronological survey of national rules and regulations containing preventive measures in connection with the outbreak of foot and mouth disease.**

<b>Date</b>	<b>Measure</b>
21-2-01	Reports of foot and mouth disease in the UK. Preventive measures introduced in the Netherlands to prevent spread in the Netherlands. All biungulates (pigs and ruminants) from the United Kingdom tested for foot and mouth disease.
21-2-01	Temporary ban on sheep markets, sales and auctions in the Netherlands: CANCELLED on 26-2-01 and replaced by collection ban biungulates of 26-2-01.
22-2-01	Compulsory testing extended to biungulates from Northern Ireland.
22-2-01	Prohibition to collect biungulates other than sheep in a place, other than a livestock farm or slaughterhouse.
23-2-01	Obligatory testing for all 'contact firms': firms which received pigs irrespective of their origin, from firms having or having had biungulates originating from the United Kingdom, and which were taken to the Netherlands as from January 24, 2001.
26-2-01	Collection and market ban extended to March 5, 2001 and made applicable to all biungulates (including sheep). Sheep collection ban lifted. Vehicles are also 'places' in the sense of a collection ban.
26-2-01	Ban on the transportation of sheep and goats within and from the Netherlands: CANCELLED on 20-3-01; replaced by temporary transport ban biungulates FMD 2001 of 13-3-01.
28-2-01	The transport on the public highway not using vehicles is banned as well, nor is it allowed to drive sheep and goats down public highways. Two exemptions are formulated due to the lambing season.
1-3-01	Collection ban extended to March 12, 2001.
1-3-01	All vehicles that have carried one or more biungulates and that have not already been cleaned and disinfected must now be cleaned and disinfected together with any accompanying items immediately after unloading, so that empty vehicles can only be on the road in a clean condition. A ban on the unloading and reception of biungulates unless equipment for the cleaning and disinfection of vehicles is present in the place of unloading. This equipment must supply water under sufficient pressure for adequate and efficient cleaning and disinfection.
2-3-01	Temporary ban on the finding and collection of plovers' eggs, because these activities usually take place on farmland.
7-3-01	The identification and registration (I&R) notification term for movements to and from establishments is reduced from three days to one day.
7-3-01	A temporary ban on all markets, sales, auctions, shows and other events where poultry and livestock other than biungulates, from different places are collected in one place. Applications for exemptions are possible.

Date	Measure
8-3-01	Ban on the transportation to the Netherlands of biungulates, from France or Italy, whether or not these are countries of origin. A ban on the transportation of horses from the UK to the Netherlands, whether or not the UK is the country of origin and from the Netherlands to other countries.
9-3-01	The ban on the transportation of goats is lifted. There is now only a ban on the transportation of sheep.
9-3-01	Collection ban extended to March 26, 2001.
13-3-01-	All transportation of biungulates banned due to foot and mouth disease in France: CANCELLED on 20-3-01 and replaced by temporary transport ban biungulates of 21-3-01.
13-3-01	Pending the results of tests it is prohibited to remove biungulates from firms which have brought in biungulates from France as from February 13, 2001. This also applies to other biungulates present in the firm and for the meat, embryos, sperm and egg cells of biungulates.
14-3-01	The above date of February 13, 2001, is changed to January 24, 2001. This extends the number of firms blocked.
15-3-01	A ban on the removal of manure from firms that have brought in biungulates from France since January 24, 2001.
15-3-01	Vehicles carrying manure must be cleaned and disinfected before leaving a firm.
18-3-01	The collection of horses from firms where biungulates stay or stayed in the past seven days or horses that were in contact with biungulates, is prohibited.
18-3-01	Partial lifting of the ban on the transportation of biungulates. The direct transport of biungulates in or outside the Netherlands is permitted. The Member State of destination needs to give prior permission for the transportation of biungulates.
19-03-01	The transportation ban for biungulates will be temporarily maintained in a 3-kilometre radius from a farm in Oene (province of Gelderland), where there were animals in which foot and mouth could not be fully excluded. The local transportation ban will remain in force, pending tests to exclude foot and mouth: cancelled on 21-3-01, replaced by surveillance zone regulation Oene, Olst and Oosterwolde on 21-3-01.
19-03-01	The present regulations oblige firms bringing in biungulates to keep them for a minimum of <u>thirty days</u> before they are removed. The aim of this obligation is to prevent firms from being used as actual places of collection.
19-03-01	EU measures have been implemented automatically in the national rules and regulations (article 2:13) Regulation on the examination of and trade in animal products; article 7b of the Regulation on the importation and transit of meat 1979; article 6b Regulation on the importation and transit of meat products 1985.
20-03-01 14.00	Temporary transport ban livestock Maren-Kessel and Herpen. CANCELLED on 21-3-01 and replaced by surveillance zone regulation on 21-3-01.

**A chronological survey of national rules and regulations containing preventive measures in connection with the outbreak of foot and mouth disease in the Netherlands from 21 March 2001.**

Date	Measure
21-3-01 11.00	Temporary transport restrictions FMD 2001 in the whole of the Netherlands for livestock, poultry, vehicles, semen, ova and biungulate embryos. CANCELLED on 24-3-01 and replaced by temporary regulation on national transport restrictions FMD of 24-3-01.
21-3-01 11.00	Surveillance zone Maren-Kessel and Herpen. CANCELLED on 24-3-01 and replaced by transport restrictions Maren-Kessel and Herpen of 24-3-01
21-3-01 11.00	Surveillance zone Oene, Olst and Oosterwolde. CANCELLED on 25-3-01 and replaced by surveillance zone Oene, Olst, Welsum, Nijbroek, Doornspijk, Nunspeet and Oosterwolde of 25-3-01
21-3-01	Regulation on the use of students in fighting foot and mouth disease 2001.
21-3-01 19.15	Regulation on emergency vaccination foot and mouth disease 2001.
21-3-01 19.15	Regulation on exportation ban of livestock and certain animal products foot and mouth disease 2001.
21-3-01	Decision 2001/223/EC: protective measures with regard to foot-and-mouth disease in the Netherlands.
22-3-01 12.15	Transport ban Beesd. CANCELLED on 24-3-01 and replaced by transport restrictions Beesd of 24-3-01.
22-3-01 12.15	Transport ban Sprang-Capelle. CANCELLED on 24-3-01 and replaced by transport restrictions Sprang-Capelle of 24-3-01.
22-3-01 17.30	Regulation on the temporary close of hunting and shooting and ban on the use of licences and decisions under the Birds Act 1936 and the Hunting and Shooting Act.
24-3-01 12.30	Temporary regulation on national transport restrictions foot and mouth disease 2001: relaxation of the transport ban in force earlier. See national transport restrictions for a survey of the provisions. CANCELLED on 30-3-01.
24-3-01 12.30	Regulation on transport restrictions in Beesd, foot and mouth disease 2001. CANCELLED on 29-3-01.
24-3-01 12.30	Regulation on transport restrictions in Maren-Kessel and Herpen foot and mouth disease 2001. CANCELLED on 30-3-01.
24-3-01 12.30	Regulation on transport restrictions in Sprang-Capelle foot and mouth disease 2001. CANCELLED on 30-3-01.
24-3-01 22.45	Regulation on surveillance area Oene, Olst, Welsum, Nijbroek, Doornspijk, Nunspeet and Oosterwolde.
24-03-01 22.45	Regulation on transport restrictions in Overberg foot and mouth disease 2001.
25-03-01 08.00	Transport restrictions Overberg. CANCELLED on 27-3-01.
25-3-01 08.00	Surveillance zone Oene, Olst, Welsum, Nijbroek, Doornspijk, Nunspeet and Oosterwolde. CANCELLED on 30-3-01.
27-3-01	Decision 2001/246/EC: suppressive vaccination in the control and eradication of foot-and-mouth disease in application of article 13 (3) of directive 85/511/EEC.
30-3-01	Surveillance zone Kootwijkerbroek. CANCELLED on 30-3-01.

Date	Measure
30-3-01 20.30	Temporary national transport restrictions.
30-3-01 20.30	Surveillance zone Oene, Olst, Welsum, Nijbroek and Oosterwolde.
30-3-01 20.30	Transport restrictions Maren-Kessel and Berghem.
30-3-01 20.30	Transport restrictions Sprang-Capelle.
30-3-01 20.30	Surveillance zone Kootwijkerbroek.

# The Netherlands

## Preliminary report on Foot and Mouth Disease outbreak no. 2001/01

**1. Location**

Village: Olst  
Province: Overijssel

Municipality: Olst  
RVV-Region: North

**2. Type and size of farm**

No. of cattle: 59  
No. of pigs: 0  
No. of sheep: 74  
No. of goats: 0  
No. of other animals: 0

**3. Suspicion**

3.1 Date of suspicion: 20-3-2001

3.2 Visits of the official teams on: 20-3-2001

3.3 No. of cases with clinical symptoms: 4 dairy cows in production

3.4 Symptoms:

These 4 cows showed severe salivation and smacking with blisters in the mouth and teats; 2 of these also had blisters on the coronary band of the feet.

3.5 Deaths:

One calf (18 days old) died suddenly on 18-3-2001. One lamb (10 days old) died on 17-3-2001.

**4. Method of diagnosis**

4.1 Investigation centre : ID-Lelystad, Division WDT

4.2 Method of diagnosis:

- Detection of virus:
  - ☒ IDAS ELISA
  - ☐ virus isolation
  - ☐ RT-PCR
- Detection of antibodies:
  - ☐ ELISA
  - ☐ Virus neutralisation test

5. Date of confirmation: 21-3-2001

6. Date of depopulation: 21-3-2001

7. Date of preliminary disinfection: 21-3-2001

**8. Epidemiology**

8.1 Presumed infection date: 12-3-2001

8.2 Links: 2001/02

8.3 Type of contact: 1 km distance airborne?

**The Netherlands**  
**Preliminary report on Foot and Mouth Disease**  
**outbreak no. 2001/02**

**1. Location**

Village: Welsum  
 Province: Gelderland

Municipality: Voorst  
 RVV-region: East

**2. Type and size of farm**

No. of cattle: 121  
 No. of pigs: 0  
 No. of sheep: 0  
 No. of goats: 0  
 No. of other animals: 13500 ducks:

**3. Suspicion**

3.1 Date of suspicion: 21-3-2001

3.2 Visits of screening teams on: 21-3-2001

3.3 No. of cases with clinical symptoms: 2

3.4 Clinical symptoms:

One cow showed severe salivation with blisters on the tongue. One calf with one blister on the tongue. Both animals were without fever.

3.5 Deaths: 0

**4. Method of diagnosis**

4.1 Investigation centre : ID-Lelystad, Division WDT

4.2 Method of diagnosis:

- Detection of virus:
  - ☒ IDAS ELISA
  - ☐ virus isolation
  - ☐ RT-PCR
- Detection of antibodies:
  - ☐ ELISA
  - ☐ Virus neutralisation test

5. Date of confirmation: 21-3-2001

6. Date of depopulation: 22-3-2001

7. Date of preliminary disinfection: 22-3-2001

**8. Epidemiology**

8.1 Presumed infection date: ?

8.2 Links: 2001/03

8.3 Type of contact: human

# The Netherlands

## Preliminary report on Foot and Mouth Disease outbreak no. 2001/03

1. **Location**  
 Village: Oene Municipality: Epe  
 Province: Gelderland RVV-region: East
2. **Type and size of farm**  
 No. of cattle: 74 (veal calves)  
 No. of pigs: 0  
 No. of sheep: 0  
 No. of goats: 545  
 No. of other animals: 0
3. **Suspicion**
  - 3.1 Date of suspicion: 14-3-2001
  - 3.2 Visits of screening teams on: 15-3-2001
  - 3.3 No. of cases with symptoms: 130
  - 3.4 Symptoms:  
 Pregnant goats and goats in production with fever, acute lameness, small blisters in the mouth, teats and coronary band
  - 3.5 Deaths: 2
4. **Method of diagnosis**
  - 4.1 Investigation centre : ID-Lelystad, Division WDT
  - 4.2 Method of diagnosis:
    - Detection of virus:
      - ☐ IDAS ELISA
      - ☒ virus isolation
      - ☒ RT-PCR
    - Detection of antibodies:
      - ☐ ELISA
      - ☐ Virus neutralisation test
5. **Date of confirmation:** 22-3-2001
6. **Date of depopulation:** 17-3-2001
7. **Date of preliminary disinfection:** 17-3-2001
8. **Epidemiology**
  - 8.1 Presumed infection date: 24-2-2001
  - 8.2 Links: France 2001/01
  - 8.3 Type of contact: Animal

# The Netherlands

## Preliminary report on Foot and Mouth Disease outbreak no. 2001/04

1. **Location**  
 Village: Nijbroek  
 Province: Gelderland  
 Municipality: Voorst  
 RVV-region: East
2. **Type and size of farm**  
 No. of cattle: 1197  
 No. of pigs: 0  
 No. of sheep: 16  
 No. of goats: 3  
 No. of other animals: 0
3. **Suspicion**  
 3.1 Date of suspicion: 23-3-2001  
 3.2 Visits of screening teams on: 23-3-2001  
 3.3 No. of cases with symptoms: 4  
 3.4 Symptoms:  
 4 yearlings with blisters on tongue and feet.  
 3.5 Deaths: 0
4. **Method of diagnosis**  
 4.1 Investigation centre : ID-Lelystad, Division WDT  
 4.2 Method of diagnosis:  
 • Detection of virus:  
   X IDAS ELISA                      ☐ virus isolation                      ☐ RT-PCR  
 • Detection of antibodies:  
   ☐ ELISA                                      ☐ Virus neutralisation test
5. **Date of confirmation:** 24-3-2001
6. **Date of depopulation:** 24-3-2001
7. **Date of preliminary disinfection:** 24-3-2001
8. **Epidemiology**  
 8.1 Presumed infection date: 13-3-2001  
 8.2 Links: 2001/03  
 8.3 Type of contact: human

**The Netherlands**  
**Preliminary report on Foot and Mouth Disease**  
**outbreak no. 2001/05**

**1. Location**

Village: Oene  
 Province: Gelderland

Municipality: Epe  
 RVV-region: East

**2. Type and size of farm**

No. of cattle: 164  
 No. of pigs: 0  
 No. of sheep: 0  
 No. of goats: 0  
 No. of other animals: 0

**3. Suspicion**

3.1 Date of suspicion: 24-3-2001

3.2 Visits of screening teams on: 24-3-2001

3.3 No. of cases with symptoms: 1

3.4 Symptoms:

One yearling with excessive salivation, blisters on tongue, interdigital space and teats no fever.

3.5 Deaths: 0

**4. Method of diagnosis:**

4.1 Investigation centre : ID-Lelystad, Division WDT

4.2 Method of diagnosis:

- Detection of virus:
  - ☒ IDAS ELISA
  - ☐ virus isolation
  - ☐ RT-PCR
- Detection of antibodies:
  - ☐ ELISA
  - ☐ Virus neutralisation test

5. Date of confirmation: 25-3-2001

6. Date of depopulation: 26-3-2001

7. Date of preliminary disinfection: 26-3-2001

**8. Epidemiology**

8.1 Presumed infection date: ???

8.2 Links: 2001/03

8.3 Type of contact: Contiguous

# The Netherlands

## Preliminary report on Foot and Mouth Disease outbreak no. 2001/06

1. **Location**  
 Village: Terwolde                      Municipality: Voorst  
 Province: Gelderland                  RVV-Region: East
  
2. **Type and size of farm**  
 No. of cattle: 0  
 No. of pigs: 0  
 No. of sheep: 0  
 No. of goats: 624  
 No. of other animals: 0
  
3. **Suspicion**  
 3.1 Date of suspicion: 22-03-2001, revisit on 26-03  
 3.2 Visits of screening teams on:  
 3.3 No. of cases with symptoms: 22-03 1 goat, 26-3 30 goats  
 3.4 Symptoms: 22-3 High fever, ruptured small blisters on the lips. 26-03 fever, drop in milk production, anorexia, lameness and irritation with deposits in the mouth  
 3.5 Deaths: 0
  
4. **Method of diagnosis**  
 4.1 Investigation centre : ID-Lelystad, Division WDT  
 4.2 Method of diagnosis:  
     • Detection of virus:  
         X IDAS ELISA                      ☐ virus isolation                      ☐ RT-PCR  
     • Detection of antibodies:  
         ☐ ELISA                                      ☐ Virus neutralisation test
  
5. **Date of confirmation:** 27-03-2001
  
6. **Date of depopulation:** 28-03-2001
  
7. **Date of preliminary disinfection:** 28-03-2001
  
8. **Epidemiology**  
 8.1 Presumed infection date: ?  
 8.2 Links: 2001/ 03  
 8.3 Type of contact: Transport

**The Netherlands**  
**Preliminary report on Foot and Mouth Disease**  
**outbreak no. 2001/07**

**1. Location**

Village: Tongeren  
 Province: Gelderland

Municipality: Epe  
 RVV-Region: East

**2. Type and size of farm**

No. of cattle: 69  
 No. of pigs: 0  
 No. of sheep: 86  
 No. of goats: 0  
 No. of other animals: 0

**3. Suspicion**

3.1 Date of suspicion: 27-03-2001  
 3.2 Visits of screening teams on: 27-03-2001  
 3.3 No. of cases with symptoms: 1 cow  
 3.4 Symptoms: Fever, salivation, blisters on the tongue, feet and teats.  
 3.5 Deaths: 0

**4. Method of diagnosis**

4.1 Investigation centre : ID-Lelystad, Division WDT  
 4.2 Method of diagnosis:  
     • Detection of virus:  
       X IDAS ELISA                      ☐ virus isolation    ☐ RT-PCR  
     • Detection of antibodies:  
       ☐ ELISA                              ☐ Virus neutralisation test

5. Date of confirmation: 27-03-2001

6. Date of depopulation: 28-03-2001

7. Date of preliminary disinfection: 28-03-2001

**8. Epidemiology**

8.1 Presumed infection date: ?  
 8.2 Links: 2001/03  
 8.3 Type of contact: Human

**The Netherlands**  
**Preliminary report on Foot and Mouth Disease**  
**outbreak no. 2001/08**

- 1. Location**  
 Village: Kootwijkerbroek  
 Province: Gelderland  
 Municipality: Barneveld  
 RVV-Region: East
- 2. Type and size of farm**  
 No. of cattle: 457 (veal calves)  
 No. of pigs: 0  
 No. of sheep: 3  
 No. of goats: 1  
 No. of other animals: 0
- 3. Suspicion**  
 3.1 Date of suspicion: 20-03-2001  
 3.2 Visits of screening teams on: 20-03-2001  
 3.3 No. of cases with symptoms: 14 calves  
 3.4 Symptoms: Fever, excessive salivation, small blisters in the mouth  
 3.5 Deaths: 0
- 4. Method of diagnosis**  
 4.1 Investigation centre : ID-Lelystad, Division WDT  
 4.2 Method of diagnosis:  
 • Detection of virus:  
   ☐ IDAS ELISA    ☒ virus isolation    ☒ RT-PCR  
 • Detection of antibodies:  
   ☐ ELISA    ☐ Virus neutralisation test
- 5. Date of confirmation:** 28-03-2001
- 6. Date of depopulation:** 27-03-2001
- 7. Date of preliminary disinfection:** 27-03-2001
- 8. Epidemiology**  
 8.1 Presumed infection date: ?  
 8.2 Links: 2001/03  
 8.3 Type of contact: Human

# The Netherlands

## Preliminary report on Foot and Mouth Disease outbreak no. 2001/09

1. **Location**  
 Village: Oosterwolde                      Municipality: Oldebroek  
 Province: Gelderland                      RVV-Region: East
2. **Type and size of farm**  
 No. of cattle: 327  
 No. of pigs: 0  
 No. of sheep: 36  
 No. of goats: 50  
 No. of other animals: 0
3. **Suspicion**  
 3.1 Date of suspicion: 18-03-2001  
 3.2 Visits of screening teams on: 21-03-2001  
 3.3 No. of cases with symptoms: 0  
 3.4 Symptoms:  
 3.5 Deaths:
4. **Method of diagnosis**  
 4.1 Investigation centre : ID-Lelystad, Division WDT  
 4.2 Method of diagnosis:  
     • Detection of virus:  
       ☐ IDAS ELISA                      ☐ virus isolation                      ☐ RT-PCR  
     • Detection of antibodies:  
       ☐ ELISA                      ☒ Virus neutralisation test
5. **Date of confirmation:** 28-03-2001
6. **Date of depopulation:** 21-03-2001
7. **Date of preliminary disinfection:** 21-03-2001
8. **Epidemiology**  
 8.1 Presumed infection date: ?  
 8.2 Links: 2001/03  
 8.3 Type of contact: animal

**The Netherlands**  
**Preliminary report on Foot and Mouth Disease**  
**outbreak no. 2001/10**

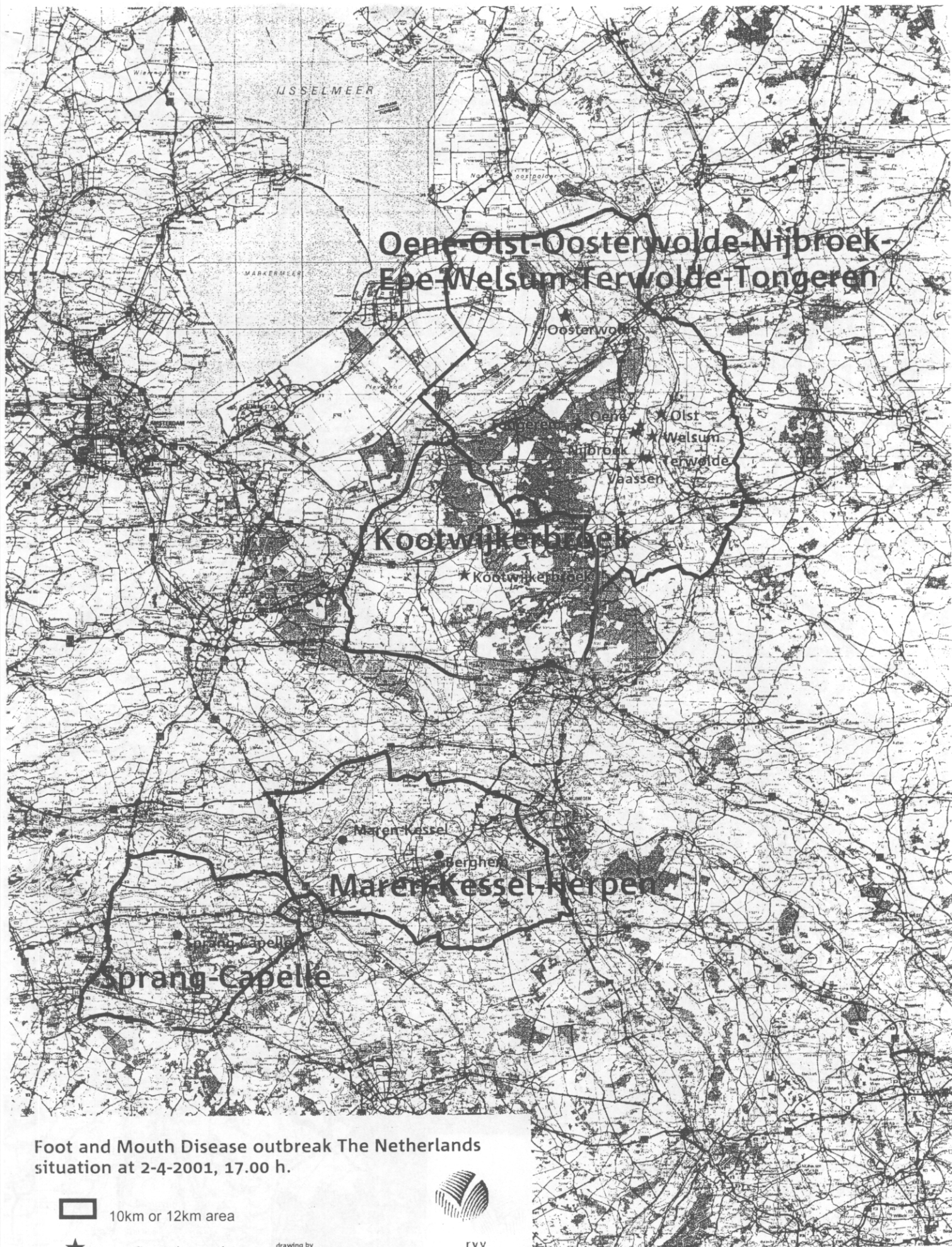
1. **Location**  
 Village: Oosterwolde  
 Province: Gelderland  
 Municipality: Oldebroek  
 RVV-Region: East
2. **Type and size of farm**  
 No. of cattle: 113  
 No. of pigs: 0  
 No. of sheep: 0  
 No. of goats: 0  
 No. of other animals: 0
3. **Suspicion**  
 3.1 Date of suspicion: 28-03-2001  
 3.2 Visits of screening teams on: 28-03-2001  
 3.3 No. of cases with symptoms: 1 cow,  
 3.4 Symptoms: Salivation and a blister on the tongue  
 3.5 Deaths: 0
4. **Method of diagnosis**  
 4.1 Investigation centre : ID-Lelystad, Division WDT  
 4.2 Method of diagnosis:  
 • Detection of virus:  
   X IDAS ELISA  
   ☐ virus isolation   ☐ RT-PCR  
 • Detection of antibodies:  
   ☐ ELISA   ☐ Virus neutralisation test
5. **Date of confirmation:** 29-03-2001
6. **Date of depopulation:** 29-03-2001
7. **Date of preliminary disinfection:** 29-03-2001
8. **Epidemiology**  
 8.1 Presumed infection date: ?  
 8.2 Links: 2001/09  
 8.3 Type of contact: Contiguous

**The Netherlands**  
**Preliminary report on Foot and Mouth Disease**  
**outbreak no. 2001/011**

1. **Location**  
 Village: Oene  
 Province: Gelderland  
 Municipality: Epe  
 RVV-Region: East
2. **Type and size of farm**  
 No. of cattle: ~~113~~ 177  
 No. of pigs: 0  
 No. of sheep: 0  
 No. of goats: 0 43  
 No. of other animals: 0
3. **Suspicion**
  - 3.1 Date of suspicion: 29-03-2001
  - 3.2 Visits of screening teams on: 29-03-2001
  - 3.3 No. of cases with symptoms: 2 cows
  - 3.4 Symptoms: fever, salivation and blisters on the tongue
  - 3.5 Deaths: 0
4. **Method of diagnosis**
  - 4.1 Investigation centre : ID-Lelystad, Division WDT
  - 4.2 Method of diagnosis:
    - Detection of virus:
      - ☒ IDAS ELISA
      - ☐ virus isolation
      - ☐ RT-PCR
    - Detection of antibodies:
      - ☐ ELISA
      - ☐ Virus neutralisation test
5. **Date of confirmation:** 29-03-2001
6. **Date of depopulation:** 30-03-2001
7. **Date of preliminary disinfection:** 30-03-2001
8. **Epidemiology**
  - 8.1 Presumed infection date: ?
  - 8.2 Links: 2001/05
  - 8.3 Type of contact: Contiguous

**The Netherlands**  
**Preliminary report on Foot and Mouth Disease**  
**outbreak no. 2001/12**




1. **Location**  
 Village: Vaassen  
 Province: Gelderland  
 Municipality: Epe  
 RVV-Region: Oost
2. **Type and size of farm**  
 No. of cattle: 78  
 No. of pigs: 0  
 No. of sheep: 19  
 No. of goats: 0  
 No. of other animals: 0
3. **Suspicion**  
 3.1 Date of suspicion: 31-3-2001  
 3.2 Visits of screening teams on: 31-3-2001  
 3.3 No. of cases with symptoms: 3 cows  
 3.4 Symptoms: Smacking, salivation and blisters on the tongue  
 3.5 Deaths: 0
4. **Method of diagnosis**  
 4.1 Investigation centre : ID-Lelystad, Division WDT  
 4.2 Method of diagnosis:  
 • Detection of virus:  
   X IDAS ELISA  
   ☐ virus isolation   ☐ RT-PCR  
 • Detection of antibodies:  
   ☐ ELISA  
   ☐ Virus neutralisation test
5. **Date of confirmation:** 1-4-2001
6. **Date of depopulation:** 2-4-2001
7. **Date of preliminary disinfection:** 2-4-2001
8. **Epidemiology**  
 8.1 Presumed infection date: ?  
 8.2 Links: 2001/03  
 8.3 Type of contact: Contiguous



Foot and Mouth Disease outbreak The Netherlands situation at 2-4-2001, 17.00 h.



Foot and Mouth Disease outbreak  
The Netherlands

-  proposal vaccination zone
-  10km or 12km area
-  confirmed premises



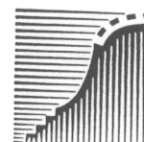
rvv

Topografische ondergrond  
© Top. Dienst, Emmen

drawing by  
dienst landelijk gebied  
naar een tekening van Bakker

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Europese Commissie  
t.a.v. Mr. A. Checchi Lang  
Director Food Safety Plant and Animal Health and  
Welfare Eu Commission  
Rue de la Loi, 200  
1040 Brussels  
Belgium



landbouw, natuurbeheer  
en visserij

Your letter of	your reference	our reference	date
		VVM01.1160	21-03-2001
re:		extension no.	enclosures
Emergency vaccination		4641	

Dear Mr. A. Checchi Lang,

Herewith I like to inform you about an outbreak on the 21th of March of foot-and-mouth disease in The Netherlands. In order to prevent this disease from spreading, I intend to start an emergency vaccination program as described in article 13, third paragraph, last section, of Directive 85/511/EEC as soon as possible.

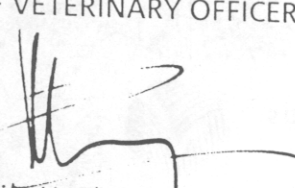
1. Immediately culling of all animals on a infected farm.
2. Preventive culling of all animals of the confirmed or highly suspected farm in a 1 kilometre zone within 48 hours after confirmation.
3. Emergency vaccination when it is not possible to cull all susceptible animals (because of lack of destruction capacity) in the 1 kilometre zones within 48 hours.
4. Culling of all vaccinated animals as soon as possible.

We will execute the vaccination under the conditions as stated in I article 13 of Directive 85/511/EEC.

I will inform the Commission and the Member states in the PVC of Friday the 24<sup>th</sup> March about the vaccination plans.

With this measure I hope to create a firewall around the infected areas, within the boundaries of the European legislation, of course. Regarding the specific circumstances in the infected area I consider this measure as strictly necessary and fully proportionate.

CHIEF VETERINARY OFFICER,

  
Dr. Frits H. Pluimers

Ministry of Agriculture,  
Nature Management and  
Fisheries

Juridische Zaken  
Veterinaire

Aangelegenheden

Bezuidenhoutseweg 73

Postal Address: 20401

2500 EK 's-Gravenhage

Telephone: 070 - 378 52 96

Fax: 070 - 378 61 27

Telegramme Address:

Landvis

Telex: 32040 Lavini

Email: PBIZ@jz.agro.nl



Food- and Mouth Disease outbreak The Netherlands  
situation at 23-03-2001

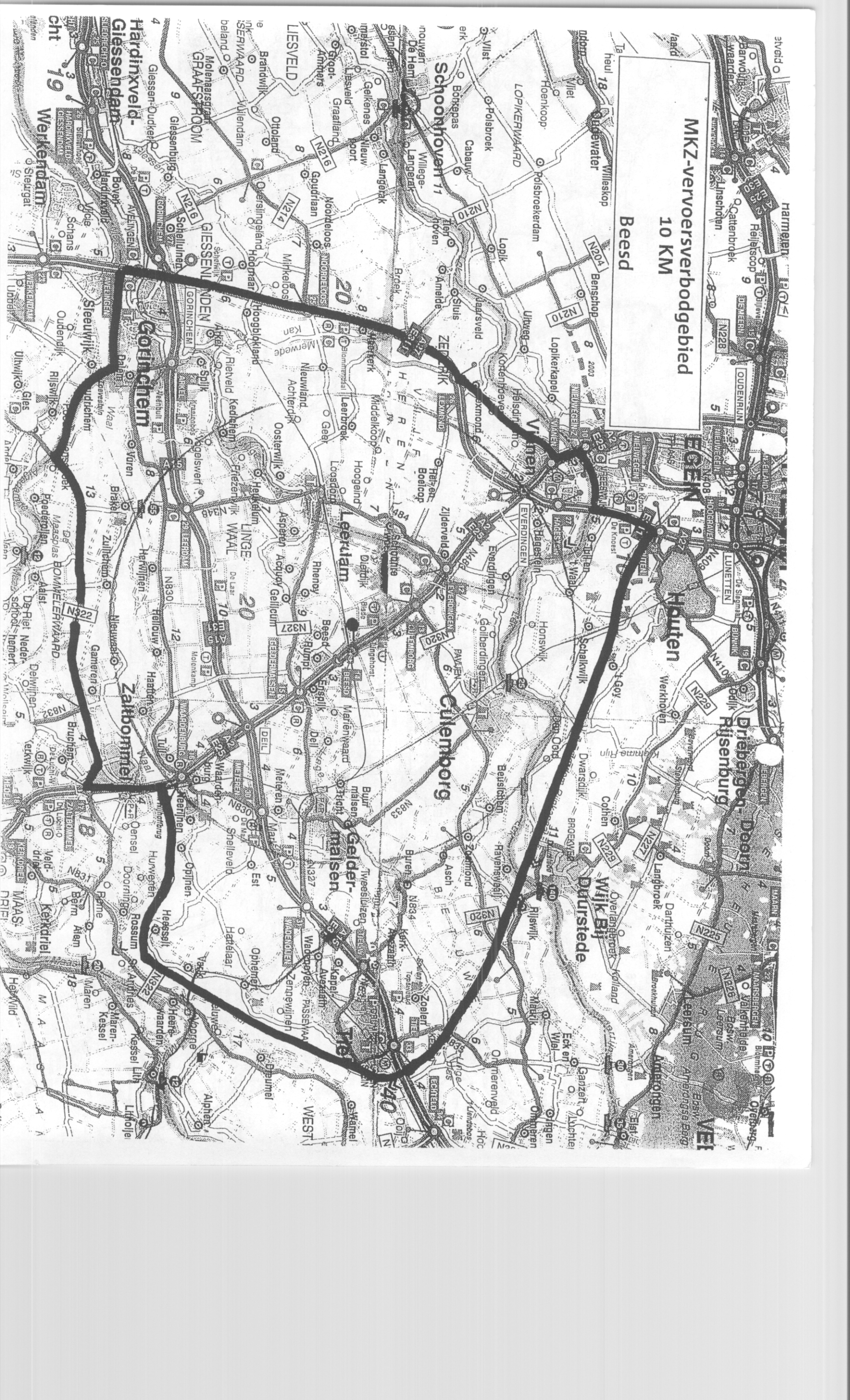
-  suspected FMD
-  infected FMD

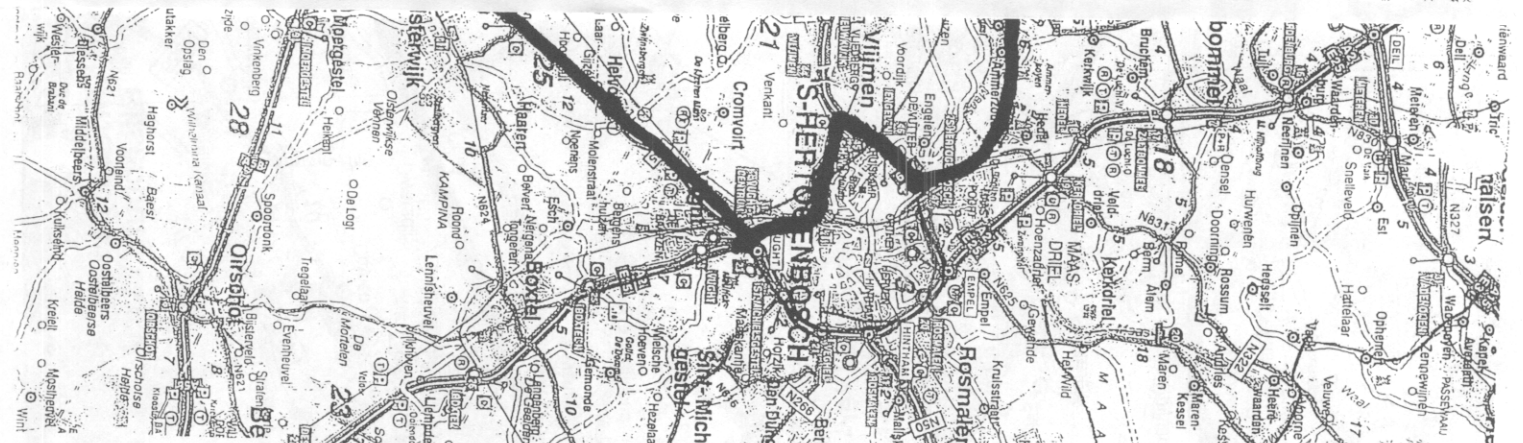
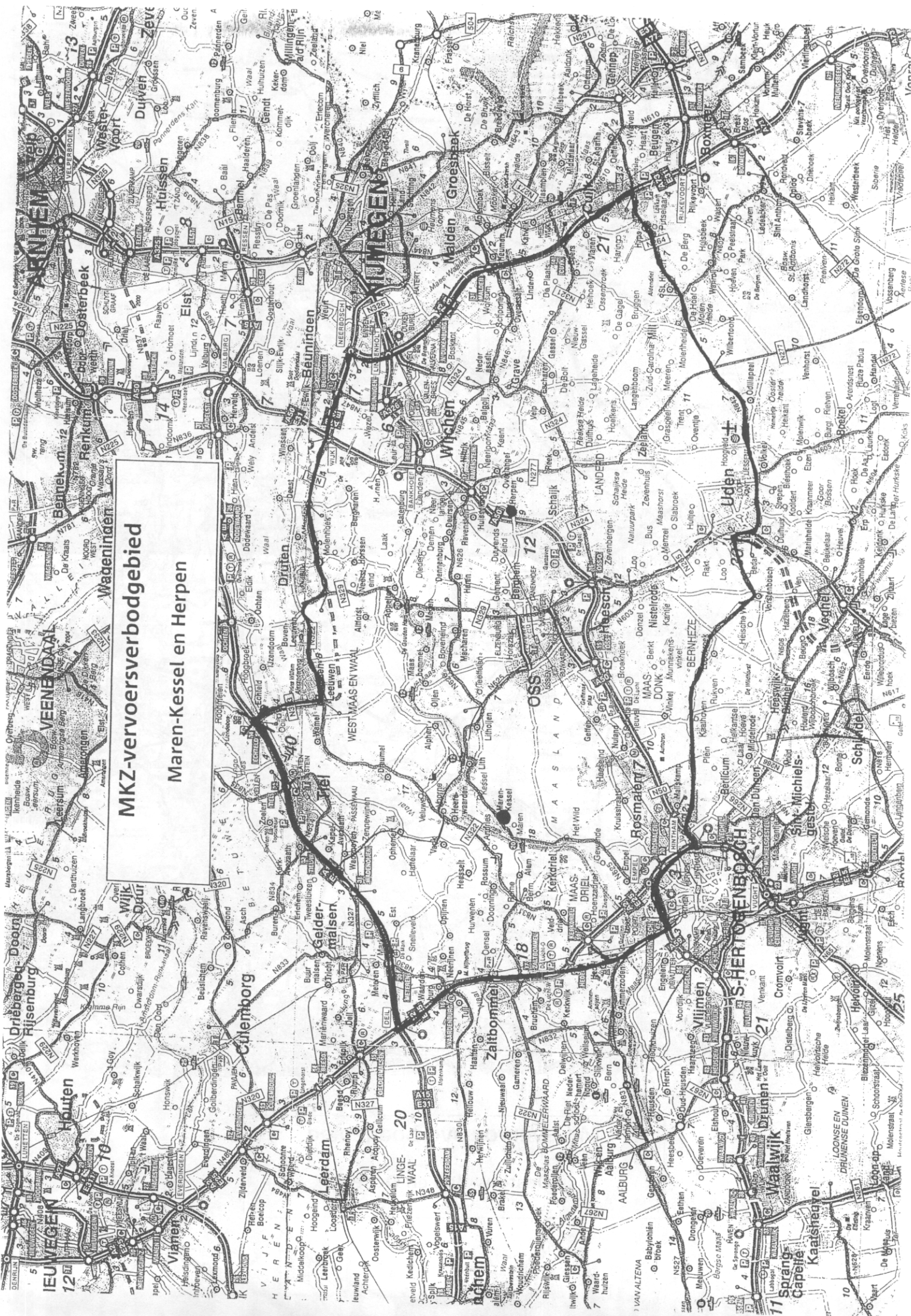


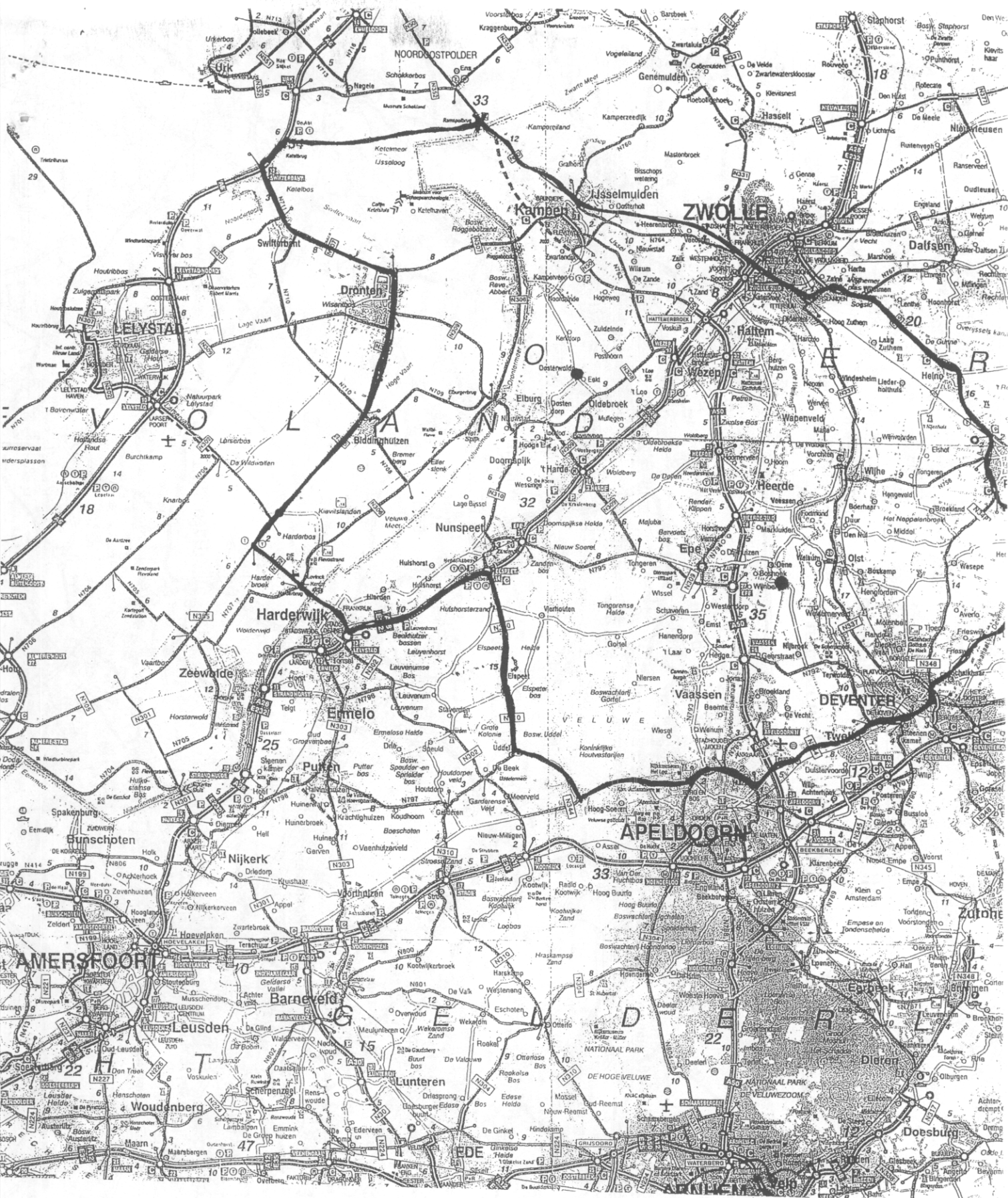
rvv

drawing by  
drenthe landelijk gebied  
1101 - 1102/2001/01/01

## Beesd







MKZ-vervoersverbodgebied

Oosterwolde en Oene